

PROCEEDINGS  
OF THE  
AMERICAN ACADEMY  
OF  
ARTS AND SCIENCES, *Boston.*

VOL. LXXXV

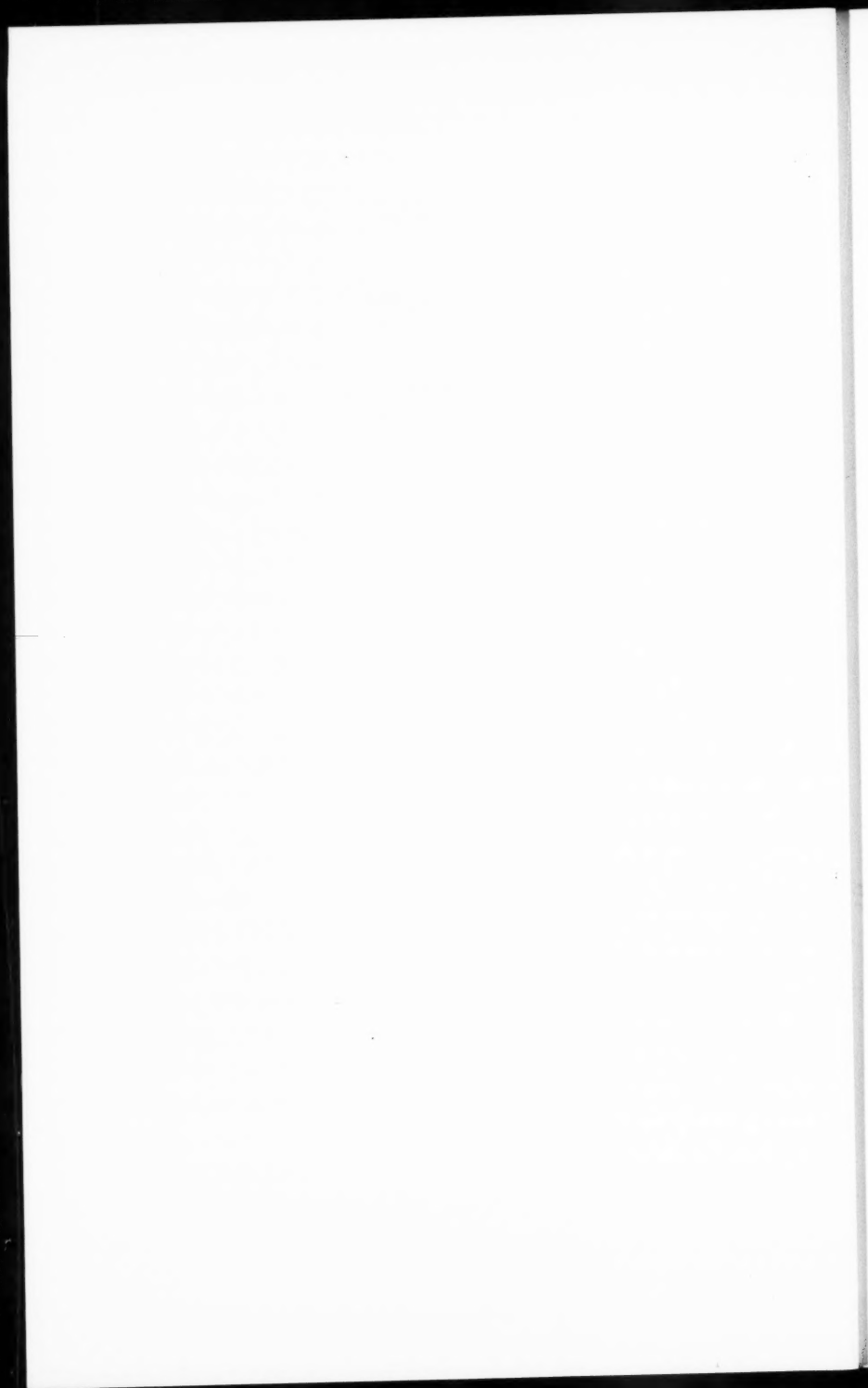


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1955 — 1958

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PROCEEDINGS OF THE  
AMERICAN ACADEMY OF ARTS AND SCIENCES

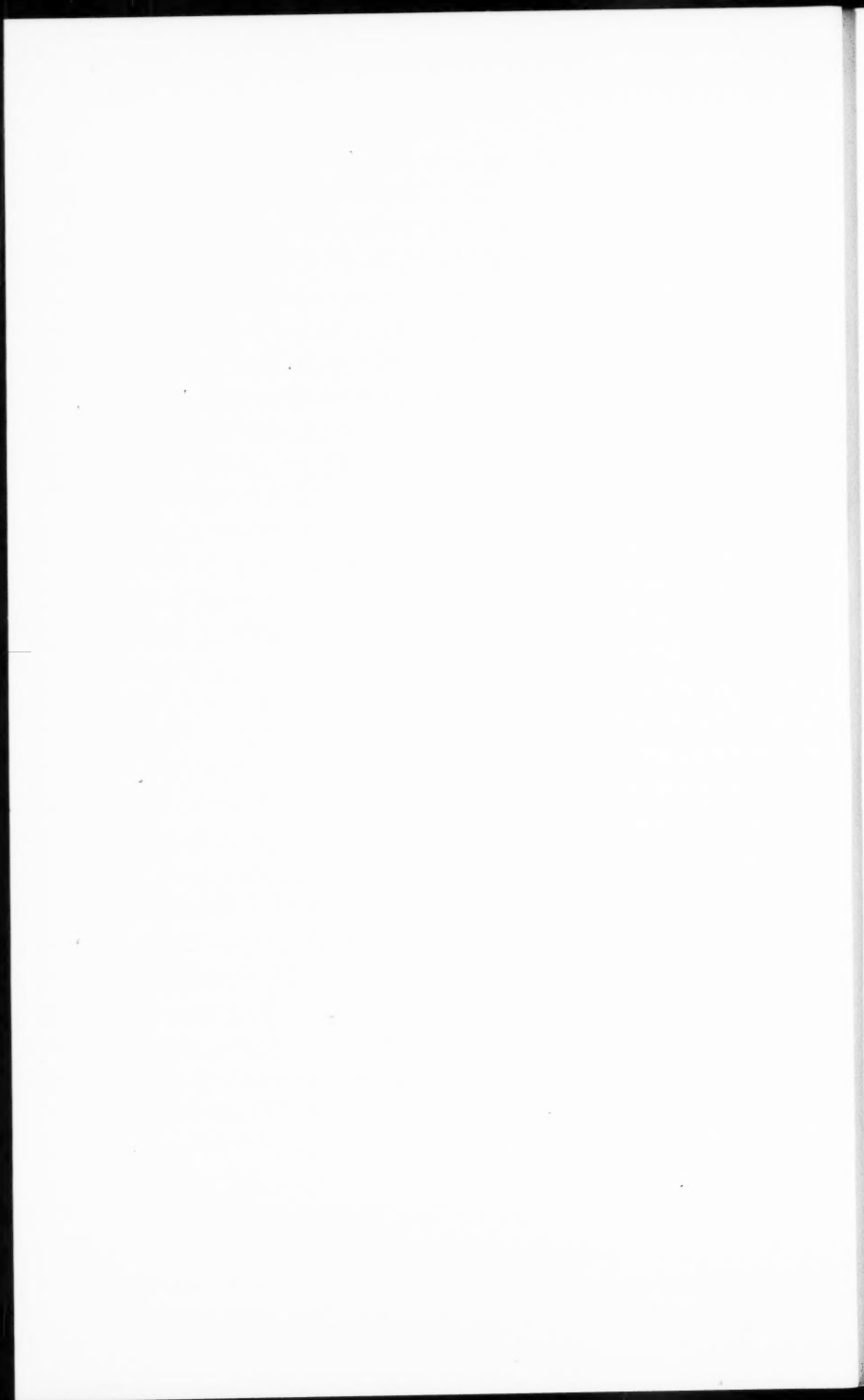
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AMERICAN ACADEMY OF ARTS AND SCIENCES

Boston, Massachusetts



American Academy of Arts and Sciences  
OFFICERS AND COMMITTEES FOR 1955-1956

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JOHN E. BURCHARD

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Class II

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Class III

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*Section 4* — JAMES G. BAKER<sup>8</sup>

*Section 5* — KIRTLEY F. MATHER<sup>8</sup>

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Class III

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*Section 2* — RALPH E. FREEMAN<sup>7</sup>

*Section 3* — KARL W. DEUTSCH<sup>9</sup>

*Section 4* — AUSTIN SCOTT<sup>8</sup>

*Section 5* — DAVID F. EDWARDS<sup>6</sup>

Class II

*Section 1* — JOHN T. EDSALL<sup>6</sup>

*Section 2* — RALPH H. WETMORE<sup>9</sup>

*Section 3* — FRANK M. CARPENTER<sup>6</sup>

*Section 4* — CARROLL M. WILLIAMS<sup>7</sup>

*Section 5* — FRANCIS M. RACKEMANN<sup>6</sup>

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*Section 1* — CURT J. DUCASSE<sup>8</sup>

*Section 2* — HERBERT BLOCH<sup>6</sup>

*Section 3* — HOWARD M. JONES<sup>7</sup>

*Section 4* — ROBERT T. PAINE, JR.<sup>9</sup>

<sup>6</sup>Term expires May, 1956. <sup>7</sup>Term expires May, 1957. <sup>8</sup>Term expires May, 1958.

<sup>9</sup>Term expires May, 1959.

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ERWIN N. GRISWOLD<sup>7</sup>

#### Class II

EDWARD S. CASTLE<sup>7</sup>

GREGORY PINCUS<sup>6</sup>

#### Class IV

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#### Class III

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#### Class II

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#### Class IV

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<sup>6</sup>Term expires May, 1956. <sup>7</sup>Term expires May, 1957. <sup>8</sup>Term expires May, 1958.

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I. AMDUR<sup>7</sup>

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#### Class IV

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ROBERT E. MOODY<sup>8</sup>

<sup>6</sup>Term expires May, 1956. <sup>7</sup>Term expires May, 1957. <sup>8</sup>Term expires May, 1958.

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I. BERNARD COHEN

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B. F. SKINNER

HUDSON HOAGLAND

S. S. STEVENS

# LIST OF THE FELLOWS AND FOREIGN HONORARY MEMBERS

(Corrected to January 1, 1955)

## FELLOWS

Total number, 1069. Number limited to 1350.

*The year of election is indicated following the name. When a Fellow resigned and was re-elected, the year of re-election is indicated in the ordinary way, the year of election is enclosed in square brackets. The year of election of an Associate, now a Fellow, is indicated by round brackets.*

## CLASS I — MATHEMATICAL AND PHYSICAL SCIENCES — 326

### SECTION 1 — Mathematics — 32

Clarence Raymond Adams '32	Providence, R. I.
Howard Hathaway Aiken '47	Cambridge, Mass.
Raymond Clare Archibald '17	Providence, R. I.
John Landes Barnes '46	Fullerton, Cal.
Albert Arnold Bennett '32	Providence, R. I.
Stefan Bergman '51	Stanford, Cal.
Garrett Birkhoff '45	Cambridge, Mass.
Richard Dagobert Brauer '54	Cambridge, Mass.
Jesse Douglas '33	Brooklyn, N. Y.
Griffith Conrad Evans '34	Berkeley, Cal.
Phillip Franklin '30	Belmont, Mass.
Einar Hille '32	New Haven, Conn.
Witold Hurewicz '49	Cambridge, Mass.
Elvin Morton Jellinek '38	Geneva, Switzerland
Norman Levinson '45	Belmont, Mass.
Chia-Chiao Lin '51	Cambridge, Mass.
George Whitelaw Mackey '53	Cambridge, Mass.
Saunders MacLane '44	Chicago, Ill.
William Ted Martin '48	Princeton, N. J.
Harold Marston Morse '29	Princeton, N. J.
Henry Bayard Phillips '18	Lincoln, Mass.
Eric Reissner '50	Cambridge, Mass.
Raphael Salem '52	Paris, France
Dirk Jan Struik '30	Belmont, Mass.
Alfred Tarski '48	Berkeley, Cal.
Oswald Veblen '23	Princeton, N. J.
John von Neumann '44	Princeton, N. J.
Joseph Leonard Walsh '29	Cambridge, Mass.
Hao Wang '52	Cambridge, England

George William Whitehead '54  
David Vernon Widder '32  
Oscar Zariski '48

Cambridge, Mass.  
Arlington, Mass.  
Cambridge, Mass.

# CLASS I, SECTION 2 — *Physics* — 81

William Phelps Allis '51  
Adelbert Ames, Jr. '28  
Carl David Anderson '50  
Robert Fox Bacher '53  
Kenneth Tompkins Bainbridge '37  
Samuel Jackson Barnett '21  
Jesse Wakefield Beams '49  
Bruce Hodley Billings '52  
Francis Bitter '50  
Richard Henry Bolt '52  
Gregory Breit '51  
Percy Williams Bridgman '12  
Harvey Brooks '51  
Sanborn Conner Brown '53  
William Weber Buechner '54  
Walter Guyton Cady '26  
Leslie Lyle Campbell '21  
Arthur Holly Compton '28  
Daniel Frost Comstock '12  
Edward Uhler Condon '47  
William David Coolidge '15  
Franzo Hazlett Crawford '34  
Clinton Joseph Davisson '29  
Martin Deutsch '53  
Robley Dunglison Evans '45  
Arthur Woolsey Ewell '09  
Harry Edward Farnsworth '39  
Herman Feshbach '54  
James Brown Fisk '49  
Nathaniel Herman Frank '49  
Philipp Frank '43  
David Henry Frisch '54  
Wendell Hinkle Furry '49  
Arthur Cobb Hardy '29  
George Russell Harrison '31  
William Vermillion Houston '51  
Gordon Ferrie Hull '17  
Frederick Vinton Hunt '40  
Edwin Crawford Kemble '22  
Ronold Wyeth Percival King '44  
Edwin Herbert Land '43  
Ernest Orlando Lawrence '37

Cambridge, Mass.  
Hanover, N. H.  
Pasadena, Cal.  
Pasadena, Cal.  
Cambridge, Mass.  
Pasadena, Cal.  
Charlottesville, Va.  
Lincoln, Mass.  
Cambridge, Mass.  
Cambridge, Mass.  
New Haven, Conn.  
Cambridge, Mass.  
Cambridge, Mass.  
Cambridge, Mass.  
Middletown, Conn.  
Lexington, Va.  
St. Louis, Mo.  
Lincoln, Mass.  
Corning, N. Y.  
Schenectady, N. Y.  
Williamstown, Mass.  
Charlottesville, Va.  
Cambridge, Mass.  
Belmont, Mass.  
Brookline, Mass.  
Providence, R. I.  
Cambridge, Mass.  
Basking Ridge, N. J.  
Cambridge, Mass.  
Cambridge, Mass.  
Cambridge, Mass.  
Cambridge, Mass.  
Wellesley, Mass.  
Belmont, Mass.  
Houston, Texas  
Hanover, N. H.  
Belmont, Mass.  
Cambridge, Mass.  
Winchester, Mass.  
Cambridge, Mass.  
Berkeley, Cal.



Robert Bruce Lindsay '31  
 Milton Stanley Livingston '54  
 Louis Williams McKeehan '34  
 Henry Margenau '52  
 Harry Rowe Mimno '34  
 Philip McCord Morse '34  
 Hans Mueller '49  
 Wayne Buckles Nottingham '52  
 Brian O'Brien '53  
 Otto Oldenberg '31  
 J. Robert Oppenheimer '40  
 George Washington Pierce '07  
 Robert Vivian Pound '52  
 Edward Mills Purcell '50  
 Norman Foster Ramsey '50  
 Bruno Benedetto Rossi '48  
 Julian Seymour Schwinger '48  
 William Shockley '53  
 John Clarke Slater '27  
 George Walter Stewart '37  
 Julius Adams Stratton '46  
 Jabez Curry Street '37  
 Edward Teller '54  
 Laszlo Tisza '50  
 Merle Antony Tuve '50  
 Manuel Sandoval Vallarta '28  
 Robert Jemison Van de Graaff '35  
 John Hasbrouck Van Vleck '34  
 Arthur Robert von Hippel '44  
 Bertram Eugene Warren '35  
 Julian Hale Webb '53  
 David Locke Webster '18  
 Victor Frederick Weisskopf '48  
 John Archibald Wheeler '54  
 Eugene Paul Wigner '50  
 Edwin Bidwell Wilson '11  
 Robert Williams Wood '13  
 Jerrold Reinach Zacharias '49  
 Vladimir Kosma Zworykin '41

Providence, R. I.  
 Cambridge, Mass.  
 New Haven, Conn.  
 New Haven, Conn.  
 Lexington, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Rochester, N. Y.  
 Cambridge, Mass.  
 Princeton, N. J.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Winchester, Mass.  
 Boston, Mass.  
 Murray Hill, N. J.  
 Cambridge, Mass.  
 Iowa City, Ia.  
 Belmont, Mass.  
 Belmont, Mass.  
 Berkeley, Cal.  
 Cambridge, Mass.  
 Washington, D. C.  
 Mexico, D. F.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Weston, Mass.  
 Arlington, Mass.  
 Rochester, N. Y.  
 Palo Alto, Cal.  
 Cambridge, Mass.  
 Princeton, N. J.  
 Princeton, N. J.  
 Brookline, Mass.  
 Baltimore, Md.  
 Cambridge, Mass.  
 Princeton, N. J.

### CLASS I, SECTION 3 — *Chemistry* — 61

Roger Adams '26  
 Isadore Amdur '44  
 Paul Doughty Bartlett '46  
 James Alexander Beattie '29  
 Godfrey Lowell Cabot '41  
 Emile Monnin Chamot '38

Urbana, Ill.  
 Cambridge, Mass.  
 Weston, Mass.  
 Belmont, Mass.  
 Boston, Mass.  
 Ithaca, N. Y.

Robert Hugh Cole '51  
 Arthur Clay Cope '45  
 Charles DuBois Coryell '48  
 Paul Clifford Cross '47  
 William von Eggers Doering '54  
 Paul Mead Dory '51  
 Louis Frederick Fieser '33  
 William Francis Giauque '50  
 Louis Harris '35  
 Lawrence Joseph Heidt '52  
 Robert Casad Hockett '38  
 Donald Frederick Hornig '52  
 John Withers Irvine '52  
 Frederick George Keyes '19  
 Gilbert William King '52  
 John Gamble Kirkwood '49  
 George Bogdan Kistiakowsky '33  
 Charles August Kraus '15  
 Irving Langmuir '18  
 Warren Kendall Lewis '15  
 Willard Frank Libby '54  
 James Joseph Lingane '49  
 Richard Collins Lord '50  
 Duncan Arthur MacInnes '23  
 Howard Oldford McMahon '53  
 Charles Edward Kenneth Mees '41  
 Nicholas Athanasius Milas '35  
 William Edward Moffitt '54  
 Avery Adrian Morton '36  
 William Albert Noyes, Jr. '31  
 John Lawrence Oncley '45  
 Lars Onsager '49  
 Linus Carl Pauling '44  
 John Dombrowski Roberts '52  
 Eugene George Rochow '49  
 George Scatchard '28  
 Walter Cecil Schumb '32  
 Erwin Schwenk '53  
 John Clark Sheehan '51  
 Miles Standish Sherrill '15  
 Leighton Bruerton Smith '34  
 Clark Conkling Stephenson '47  
 Walter Hugo Stockmayer '46  
 Charles Gardner Swain '53  
 Hugh Stott Taylor '43  
 Harold Clayton Urey '38  
 Arthur Andrew Vernon '53  
 Cutler Delong West '52

Providence, R. I.  
 Belmont, Mass.  
 Lexington, Mass.  
 Seattle, Wash.  
 New Haven, Conn.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Berkeley, Cal.  
 Belmont, Mass.  
 Arlington, Mass.  
 Concord, Mass.  
 Providence, R. I.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Los Angeles, Cal.  
 New Haven, Conn.  
 Cambridge, Mass.  
 Providence, R. I.  
 Schenectady, N. Y.  
 Newton, Mass.  
 Chicago, Ill.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Lexington, Mass.  
 Rochester, N. Y.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Watertown, Mass.  
 Rochester, N. Y.  
 Newtonville, Mass.  
 New Haven, Conn.  
 Pasadena, Cal.  
 Pasadena, Cal.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 East Milton, Mass.  
 Shrewsbury, Mass.  
 Cambridge, Mass.  
 Brookline, Mass.  
 Beverly, Mass.  
 Cambridge, Mass.  
 Weston, Mass.  
 Cambridge, Mass.  
 Princeton, N. J.  
 Chicago, Ill.  
 Newton Highlands, Mass.  
 Cambridge, Mass.

Frank Henry Westheimer '54  
 Willis Rodney Whitney '11  
 Edgar Bright Wilson, Jr. '44  
 Melville Lawrence Wolfrom '51  
 Robert Burns Woodward '48  
 Don Christopher M Yost '54  
 Ralph Chillingworth Young '41

Cambridge, Mass.  
 Schenectady, N. Y.  
 Cambridge, Mass.  
 Columbus, Ohio  
 Cambridge, Mass.  
 Pasadena, Calif.  
 Arlington, Mass.

#### CLASS I, SECTION 4 — *Astronomy* — 24

Charles Greeley Abbot '21  
 James Gilbert Baker '46  
 Bart Jan Bok '39  
 Ira Sprague Bowen '50  
 Dirk Brouwer '51  
 Subrahmanyam Chandrasekhar '46  
 John Charles Duncan '38  
 Jesse Leonard Greenstein '54  
 Gerard Peter Kuiper '49  
 Willem Jacob Luyten '25  
 Donald Howard Menzel '34  
 Samuel Alfred Mitchell '23  
 Jason John Nassau '53  
 Cecilia Payne-Gaposchkin '43  
 Henry Norris Russell '02  
 Martin Schwarzschild '54  
 Harlow Shapley '20  
 Vesto Melvin Slipher '09  
 Lyman Spitzer '53  
 Joel Stebbins '21  
 Harlan True Stetson '27  
 Otto Struve '42  
 Fred Lawrence Whipple '41  
 Albert Edward Whitford '54

Washington, D. C.  
 Cambridge, Mass.  
 Lexington, Mass.  
 Pasadena, Cal.  
 New Haven, Conn.  
 Williams Bay, Wis.  
 Tucson, Ariz.  
 Pasadena, Cal.  
 Williams Bay, Wis.  
 Minneapolis, Minn.  
 Cambridge, Mass.  
 University, Va.  
 East Cleveland, Ohio  
 Lexington, Mass.  
 Princeton, N. J.  
 Princeton, N. J.  
 Cambridge, Mass.  
 Flagstaff, Ariz.  
 Princeton, N. J.  
 Mt. Hamilton, Cal.  
 Fort Lauderdale, Fla.  
 Williams Bay, Wis.  
 Cambridge, Mass.  
 Madison, Wis.

#### CLASS I, SECTION 5 — *Earth Sciences* — 49

Including geology, physiography, mineralogy, meteorology,  
 and oceanography, etc.

Alan Mara Bateman '41  
 Roland Frank Beers '46  
 Marland Pratt Billings '38  
 Francis Birch '42  
 Norman Levi Bowen '21  
 Wilmot Hyde Bradley '49  
 Charles Franklin Brooks '33  
 Walter Herman Bucher '49  
 Arthur Francis Buddington '48

New Haven, Conn.  
 Dallas, Texas  
 Wellesley, Mass.  
 Cambridge, Mass.  
 Washington, D. C.  
 Washington, D. C.  
 Milton, Mass.  
 New York, N. Y.  
 Princeton, N. J.

Martin Julian Buerger '45  
 Arthur Louis Day '12  
 Everette Lee DeGolyer '51  
 Carl Owen Dunbar '50  
 (William) Maurice Ewing '51  
 Clifford Frondel '49  
 Russell Gibson '42  
 James Gilluly '49  
 Louis Caryl Graton '14  
 Beno Gutenberg '50  
 Donnel Foster Hewett '50  
 Henry Garrett Houghton '52  
 Cornelius Searle Hurlbut, Jr. '46  
 Patrick Mason Hurley '54  
 Columbus O'Donnell Iselin '44  
 Adolph Knopf '48  
 Esper Signius Larsen, Jr. '25  
 Morris Morgan Leighton '52  
 Charles Kenneth Leith '16  
 Arville Irving Levorsen '50  
 Chester Ray Longwell '53  
 George Francis McEwen '31  
 Hugh Exton McKinstry '49  
 Donald Hamilton McLaughlin '27  
 Kirtley Fletcher Mather '25  
 Warren Judson Mead '35  
 William John Miller '17  
 Raymond Cecil Moore '52  
 Frederick Kuhne Morris '32  
 Walter Harry Newhouse '34  
 Thomas Brennan Nolan '50  
 Austin Flint Rogers '22  
 Carl-Gustaf Arvid Rossby '34  
 William Walden Rubey '53  
 Waldemar Theodore Schaller '19  
 Robert Rakes Shrock '54  
 Henry Crosby Stetson '45  
 Harald Ulrik Sverdrup '44  
 Harry Blackmore Whittington '53  
 Hurd Curtis Willett '52

Lincoln, Mass.  
 Bethesda, Md.  
 Dallas, Texas  
 New Haven, Conn.  
 Palisades, N. Y.  
 Cambridge, Mass.  
 Teheran, Iran  
 Los Angeles, Cal.  
 Orange, Conn.  
 Pasadena, Cal.  
 Pasadena, Cal.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Woods Hole, Mass.  
 Stanford, Cal.  
 Arlington, Va.  
 Urbana, Illinois  
 Madison, Wis.  
 Tulsa, Okla.  
 New Haven, Conn.  
 La Jolla, Cal.  
 Cambridge, Mass.  
 San Francisco, Cal.  
 Newton Centre, Mass.  
 Belmont, Mass.  
 Claremont, Cal.  
 Lawrence, Kansas  
 Montgomery, Ala.  
 Chicago, Ill.  
 Washington, D. C.  
 Palo Alto, Cal.  
 Stockholm, Sweden  
 Washington, D. C.  
 Washington, D. C.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Oslo, Norway  
 Cambridge, Mass.  
 Cambridge, Mass.

### CLASS I, SECTION 6 — *Engineering Sciences and Technologies* — 79

Comfort Avery Adams '06  
 Walter Scott Baird '52  
 Manson Benedict '52  
 Leo LeRoy Beranek '52

Philadelphia, Pa.  
 Cambridge, Mass.  
 Weston, Mass.  
 Winchester, Mass.

Charles Harold Berry '31  
 Edward Lindley Bowles '41  
 Gordon Stanley Brown '50  
 Oliver Ellsworth Buckley '49  
 Vannevar Bush '25  
 George Francis Carrier '53  
 Arthur Casagrande '49  
 Bruce Chalmers '54  
 John Chipman '48  
 Edward Lull Cochrane '49  
 Morris Cohen '50  
 Samuel Cornette Collins '42  
 Otto Gustav Colbiornsen Dahl '34  
 Chester Laurens Dawes '34  
 Jacob Pieter Den Hartog '34  
 Bradley Dewey '43  
 Theodore Harwood Dillon '20  
 Charles Stark Draper '41  
 William Frederick Durand '21  
 Howard Wilson Emmons '46  
 Gordon Maskew Fair '27  
 Ivan Alexander Getting '48  
 Glennon Gilboy '32  
 Edwin Richard Gilliland '48  
 Albert Haertlein '32  
 William Rede Hawthorne '50  
 Harold Locke Hazen '40  
 Albert Gordon Hill '53  
 Murray Philip Horwood '36  
 Hoyt Clarke Hottel '48  
 John Anthony Hrones '52  
 Jerome Clarke Hunsaker '34  
 Arthur Thomas Ippen '49  
 Theodore von Kármán '48  
 Joseph Henry Keenan '37  
 Robert Victor Kleinschmidt '50  
 William Henry Lawrence '23  
 Philippe Emanuel Le Corbeiller '51  
 John Moyes Lessells '38  
 William Henry McAdams '48  
 Charles Winters MacGregor '37  
 Lionel Simeon Marks '12  
 Harold Somers Mickley '52  
 William MacGregor Murray '53  
 John Torrey Norton '49  
 Frederick Law Olmsted '20  
 Egon Orowan '51  
 Langdon Pearse '28

Belmont, Mass.  
 Wellesley, Mass.  
 Cambridge, Mass.  
 Maplewood, N. J.  
 Washington, D. C.  
 Providence, R. I.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Winchester, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Wellesley Hills, Mass.  
 Cambridge, Mass.  
 Washington, D. C.  
 Newton, Mass.  
 Brooklyn, N. Y.  
 Sudbury, Mass.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Ithaca, N. Y.  
 Arlington, Mass.  
 Watertown, Mass.  
 Cambridge, England  
 Belmont, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Winchester, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Azusa, Cal.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Jamaica Plain, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Newton, Mass.  
 Philadelphia, Pa.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Elkton, Md.  
 Cambridge, Mass.  
 Chicago, Ill.

Harold Pender '13  
 Greenleaf Whittier Pickard '30  
 John Alvin Pierce '52  
 William Prager '51  
 Denis Morrell Robinson '54  
 Reinhold Rüdenberg '41  
 Ascher Herman Shapiro '52  
 Milton Clayton Shaw '53  
 Thomas Kilgore Sherwood '48  
 Cyril Stanley Smith '50  
 Carl Richard Soderberg '39  
 Percy LeBaron Spencer '53  
 Charles Milton Spofford '14  
 Horton Guyford Stever '53  
 Charles Fayette Taylor '49  
 Edward Story Taylor '49  
 Karl Terzaghi ['28] '44  
 John George Trump '50  
 Herbert Henry Uhlig '52  
 Carl Wilhelm Wagner '54  
 Edward Pearson Warner '23  
 Harold Christian Weber '51  
 Walter Gordon Whitman '48  
 Jerome Bert Wiesner '53  
 John Benson Wilbur '45  
 Glenn Carber Williams '54  
 John Wulff '40

Wynnewood, Pa.  
 Newton Centre, Mass.  
 Cambridge, Mass.  
 Providence, R. I.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Wellesley, Mass.  
 Chicago, Ill.  
 Weston, Mass.  
 Waltham, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Winchester, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Montreal, Que.  
 Milton, Mass.  
 Concord, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.

## CLASS II — BIOLOGICAL SCIENCES — 274

### SECTION 1 — *Biophysics and Biochemistry* — 41

Including pharmacology, etc.

Eric Glendinning Ball '45  
 Richard Scott Bear '54  
 Francis Gano Benedict '09  
 William T. Bovie '20  
 William Clouser Boyd '49  
 John Machlin Buchanan '53  
 Halvor Niels Christensen '52  
 Carl Ferdinand Cori '48  
 Gerty Theresa Cori '53  
 Edward Adelbert Doisy '48  
 Ralph Isadore Dorfman '53  
 John Tileston Edsall '37  
 Conrad Arnold Elvehjem '53  
 Robert Emerson '53  
 Cyrus Hartwell Fiske '34

Newton Highlands, Mass.  
 Cambridge, Mass.  
 Machiasport, Me.  
 Fairfield, Me.  
 Boston, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 St. Louis, Mo.  
 St. Louis, Mo.  
 St. Louis, Mo.  
 Shrewsbury, Mass.  
 Cambridge, Mass.  
 Madison, Wis.  
 Urbana, Ill.  
 Lexington, Mass.

Joseph Stewart Fruton '53  
 Edmund Newton Harvey '48  
 Albert Baird Hastings '36  
 Walter Lee Hughes, Jr. '53  
 Edward Calvin Kendall '51  
 George Wallace Kidder '52  
 Fritz Albert Lipmann '49  
 Barbara Wharton Low '53  
 Hermann Joseph Muller '42  
 John Howard Northrop '49  
 Eugene Rabinowitch '53  
 Gerhard Schmidt '52  
 Francis Otto Schmitt '41  
 Irwin W. Sizer '52  
 Torald Hermann Sollmann '30  
 Wendell Meredith Stanley '49  
 Fredrick John Stare '52  
 James Batcheller Sumner '49  
 Leo Szilard '54  
 Hubert Bradford Vickery '48  
 Vincent du Vigneaud '48  
 George Wald '48  
 David Floyd Waugh '54  
 Ralph Walter Graystone Wyckoff '50  
 Jeffries Wyman '33  
 Paul Charles Zamecnik '54

New Haven, Conn.  
 Princeton, N. J.  
 Brookline, Mass.  
 Baltimore, Md.  
 Princeton, N. J.  
 Amherst, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Bloomington, Ind.  
 Berkeley, Cal.  
 Urbana, Ill.  
 Boston, Mass.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Cleveland, Ohio  
 Berkeley, Cal.  
 Boston, Mass.  
 Ithaca, N. Y.  
 New York, N. Y.  
 New Haven, Conn.  
 New York, N. Y.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Bethesda, Md.  
 Paris, France  
 Boston, Mass.

## CLASS II, SECTION 2 — *Botany and Bacteriology* — 45

LeRoy Abrams '30  
 Edgar Anderson '34  
 Irving Widmer Bailey '15  
 Henry Ives Baldwin '53  
 Elso Sterrenberg Barghoorn '50  
 Lawrence Rogers Blinks '49  
 Edward Sears Castle '48  
 Jens Christian Clausen '49  
 Ralph Erskine Cleland '46  
 Lincoln Constance '50  
 Albert Hewett Coons '54  
 Bradley Moore Davis '16  
 Bernard Ogilvie Dodge '35  
 Arthur Johnson Eames '41  
 Ralph Emerson '52  
 Katherine Esau '49  
 Alexander William Evans '12  
 Adriance Sherwood Foster '50  
 Paul Rupert Gast '44

Palo Alto, Cal.  
 St. Louis, Mo.  
 Cambridge, Mass.  
 Hillsboro, N. H.  
 Cambridge, Mass.  
 Pacific Grove, Cal.  
 Cambridge, Mass.  
 Stanford, Cal.  
 Bloomington, Ind.  
 Berkeley, Cal.  
 Boston, Mass.  
 Portland, Ore.  
 New York, N. Y.  
 Cienfuegas, Cuba  
 Berkeley, Cal.  
 Davis, Cal.  
 New Haven, Conn.  
 Berkeley, Cal.  
 Weston, Mass.

David Rockwell Goddard '54  
 Richard Hale Goodwin '52  
 James Gordon Horsfall '52  
 Richard Alden Howard '53  
 Ivan Murray Johnston '27  
 Donald Forsha Jones '34  
 Paul Christoph Mangelsdorf '40  
 Winthrop John Vanleuven Osterhout '10  
 Kenneth Bryan Raper '49  
 Hugh Miller Raup '44  
 William Jacob Robbins '48  
 Reed Clark Rollins '49  
 Ernest Robert Sears '53  
 Paul Bigelow Sears '54  
 Edmund Ware Sinnott '34  
 Albert Charles Smith '44  
 Gilbert Morgan Smith '34  
 Elvin Charles Stakman '23  
 George Ledyard Stebbins, Jr. '52  
 William Randolph Taylor '48  
 Kenneth Vivian Thimann '38  
 Cornelis Bernardus Van Niel '50  
 Frans Verdoorn '53  
 Selman Abraham Waksman '49  
 William Henry Weston, Jr. '22  
 Ralph Hartley Wetmore '32

Philadelphia, Penna.  
 New London, Conn.  
 New Haven, Conn.  
 Storrs, Conn.  
 Jamaica Plain, Mass.  
 New Haven, Conn.  
 Cambridge, Mass.  
 New York, N. Y.  
 Madison, Wis.  
 Petersham, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Columbia, Mo.  
 New Haven, Conn.  
 New Haven, Conn.  
 Washington, D. C.  
 Palo Alto, Cal.  
 St. Paul, Minn.  
 Davis, Cal.  
 Ann Arbor, Mich.  
 Cambridge, Mass.  
 Pacific Grove, Cal.  
 Waltham, Mass.  
 New Brunswick, N. J.  
 Winchester, Mass.  
 Cambridge, Mass.

## CLASS II, SECTION 3 — *Zoology* — 54 Including physical anthropology, etc.

Henry Bryant Bigelow '11  
 Robert Payne Bigelow '14  
 Charles Henry Blake '35  
 Edgar John Boell '52  
 John Lewis Bremer '16  
 Frank Morton Carpenter '33  
 William Ernest Castle '00  
 George Leonard Clarke '52  
 Lemuel Roscoe Cleveland '29  
 Manton Copeland '23  
 Alden Benjamin Dawson '33  
 Edward Wheeler Dempsey '49  
 Samuel Randall Detwiler '25  
 Theodosius Dobzhansky '53  
 Leslie Clarence Dunn '50  
 Tilly Edinger '53  
 Herbert McLean Evans '25  
 William King Gregory '31

Concord, Mass.  
 Brookline, Mass.  
 Lincoln, Mass.  
 New Haven, Conn.  
 Boston, Mass.  
 Lexington, Mass.  
 Berkeley, Cal.  
 Cambridge, Mass.  
 Jamaica Plain, Mass.  
 Brunswick, Me.  
 Belmont, Mass.  
 St. Louis, Mo.  
 New York, N. Y.  
 New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 Berkeley, Cal.  
 New York, N. Y.



Donald Redfield Griffin '52  
 Ross Granville Harrison '21  
 Caryl Parker Haskins '51  
 Frederick Lee Hisaw '36  
 Leigh Hoadley '29  
 Samuel Jackson Holmes '24  
 George Evelyn Hutchinson '49  
 Walter Landauer '53  
 Richard Swann Lull '17  
 Ernst Mayr '54  
 Daniel Mazia '54  
 Axel Leonard Melander '27  
 Charles William Metz '51  
 Gerrit Smith Miller '21  
 Carl Richard Moore '50  
 John Spangler Nicholas '49  
 George Howard Parker '95  
 Henry Augustus Pilsbry '21  
 Harold Henry Plough '50  
 Herbert Wilbur Rand '09  
 Alfred Clarence Redfield '23  
 Oscar Riddle '34  
 Alfred Sherwood Romer '37  
 Alexander Grant Ruthven '25  
 Karl Patterson Schmidt '51  
 Franz Schrader '53  
 George Gaylord Simpson '48  
 George Davis Snell '52  
 Tracy Morton Sonneborn '49  
 Paul Alfred Weiss '54  
 John Henry Welsh '45  
 Arthur Wisswald Weyssse '15  
 James Walter Wilson '49  
 George Bernays Wislocki '38  
 Sewall Wright '48  
 Leland Clifton Wyman '45

Cambridge, Mass.  
 New Haven, Conn.  
 New York, N. Y.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Berkeley, Cal.  
 New Haven, Conn.  
 Storrs, Conn.  
 New Haven, Conn.  
 Cambridge, Mass.  
 Berkeley, Cal.  
 Riverside, Cal.  
 Philadelphia, Pa.  
 Washington, D. C.  
 Chicago, Ill.  
 New Haven, Conn.  
 Cambridge, Mass.  
 Philadelphia, Pa.  
 Amherst, Mass.  
 Cambridge, Mass.  
 Woods Hole, Mass.  
 Plant City, Fla.  
 Cambridge, Mass.  
 Ann Arbor, Mich.  
 Chicago, Ill.  
 New York, N. Y.  
 New York, N. Y.  
 Bar Harbor, Maine  
 Bloomington, Ind.  
 Chicago, Ill.  
 Cambridge, Mass.  
 Woburn, Mass.  
 Providence, R. I.  
 Milton, Mass.  
 Madison, Wis.  
 Jamaica Plain, Mass.

## CLASS II, SECTION 4—*Physiology and Experimental Psychology* — 50

Edward Frederick Adolph '54  
 Philip Bard '33  
 Frank Ambrose Beach '53  
 John Gilbert Beebe-Center '33  
 Edwin Garrigues Boring '24  
 Edward Allen Boyden '24  
 Leonard Carmichael '32  
 Leigh Edward Chadwick '52

Rochester, N. Y.  
 Baltimore, Md.  
 New Haven, Conn.  
 Swampscott, Mass.  
 Cambridge, Mass.  
 Seattle, Wash.  
 Washington, D. C.  
 Army Medical Center, Md.

William John Crozier '27  
 Hallowell Davis '29  
 David Bruce Dill '43  
 Eugene Floyd DuBois '31  
 Wallace Osgood Fenn '48  
 John Farquhar Fulton '34  
 Herbert Spencer Gasser '48  
 Arnold Lucius Gesell '47  
 Clarence Henry Graham '37  
 Roy Orval Greep '50  
 Edwin Ray Guthrie '45  
 Hudson Hoagland '34  
 Roy Graham Hoskins '28  
 Heinrich Klüver '54  
 Otto Kraye '49  
 Eugene Markley Landis '44  
 Karl Spencer Lashley '32  
 Joseph Carl Robnett Licklider '53  
 Earl Randall Loew '52  
 Cyril Norman Hugh Long '49  
 Rafael Lorente de No '54  
 Brenton Reid Lutz '43  
 Ross Armstrong McFarland '53  
 Gardner Murphy '50  
 Edwin Broomell Newman '53  
 John Richard Pappenheimer '54  
 Gregory Pincus '39  
 Frederick Haven Pratt '27  
 David Rapport '32  
 Alfred Newton Richards '34  
 Kenneth David Roeder '46  
 Burrhus Frederic Skinner '52  
 Homer William Smith '49  
 Stanley Smith Stevens '46  
 Louis Leon Thurstone '27  
 Edward Chace Tolman '49  
 Georg von Békésy '54  
 John Broadus Watson '17  
 Philip Rodney White '50  
 Carroll Milton Williams '51  
 Robert Sessions Woodworth '35  
 Robert Mearns Yerkes '15

Belmont, Mass.  
 St. Louis, Mo.  
 Joppa, Md.  
 New York, N. Y.  
 Rochester, N. Y.  
 New Haven, Conn.  
 New York, N. Y.  
 New Haven, Conn.  
 New York, N. Y.  
 Boston, Mass.  
 Seattle, Wash.  
 Shrewsbury, Mass.  
 Waban, Mass.  
 Chicago, Ill.  
 West Newton, Mass.  
 Brookline, Mass.  
 Orange Park, Fla.  
 Cambridge, Mass.  
 Boston, Mass.  
 New Haven, Conn.  
 New York, N. Y.  
 Melrose, Mass.  
 Boston, Mass.  
 Topeka, Kansas  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Worcester, Mass.  
 Wellesley Hills, Mass.  
 Boston, Mass.  
 Bryn Mawr, Pa.  
 Concord, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Chapel Hill, N. C.  
 Berkeley, Cal.  
 Cambridge, Mass.  
 Woodbury, Conn.  
 Bar Harbor, Maine  
 Cambridge, Mass.  
 New York, N. Y.  
 New Haven, Conn.

## CLASS II, SECTION 5 — *Medicine* — 84 Including surgery and psychiatry, etc.

Arthur Wilburn Allen '47  
 Edwin Bennett Astwood '49

Brookline, Mass.  
 Boston, Mass.

Joseph Charles Aub '32  
 Donald Leslie Augustine '52  
 Oswald Theodore Avery '36  
 James Bourne Ayer '29  
 Franklin Greene Balch ('28) '32  
 Walter Bauer '41  
 David Lawrence Belding '47  
 George Packer Berry '50  
 George Blumer '31  
 Herrman Ludwig Blumgart '49  
 Arlie Vernon Bock '43  
 Charles Sidney Burwell '36  
 Allan Macy Butler '48  
 William Bosworth Castle '31  
 David Cheever '30  
 Edward Delos Churchill '48  
 William Irving Clark '42  
 David Glendenning Cogan '49  
 Rufus Cole '21  
 Oliver Cope '50  
 Derek Ernest Denny-Brown '53  
 Lewis Dexter '50  
 Geoffrey Edsall '50  
 John Franklin Enders '46  
 Jack Richard Ewalt '53  
 Sidney Farber '49  
 James Morison Faulkner '45  
 Jacob Fine '53  
 Maxwell Finland '44  
 James Lawder Gamble '27  
 Joseph Garland '53  
 Joseph Lincoln Goodale '22  
 Harry Sylvestre Nutting Greene '49  
 Alan Gregg '50  
 Robert Edward Gross '49  
 John Hartwell Harrison '54  
 William Healy '32  
 Philip Showalter Hench '51  
 Arthur Tremain Hertig '49  
 Charles Brenton Huggins '49  
 Franz Joseph Ingelfinger '54  
 Henry Jackson, Jr. '34  
 Charles Alderson Janeway '46  
 Elliott Proctor Joslin '12  
 Chester Scott Keefer '43  
 Hugh Rodman Leavell '54  
 Roger Irving Lee '23  
 Samuel Albert Levine '42

Belmont, Mass.  
 Boston, Mass.  
 Nashville, Tenn.  
 Milton, Mass.  
 Jamaica Plain, Mass.  
 Waban, Mass.  
 Hingham, Mass.  
 Boston, Mass.  
 San Marino, Cal.  
 Boston, Mass.  
 Cambridge, Mass.  
 Brookline, Mass.  
 Boston, Mass.  
 Brookline, Mass.  
 Boston, Mass.  
 Belmont, Mass.  
 Worcester, Mass.  
 Cambridge, Mass.  
 Mount Kisco, N. Y.  
 Boston, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 Bethesda, Md.  
 Boston, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Brookline, Mass.  
 Cambridge, Mass.  
 Squantum, Mass.  
 Brookline, Mass.  
 Boston, Mass.  
 Ipswich, Mass.  
 New Haven, Conn.  
 Big Sur, Cal.  
 Boston, Mass.  
 Boston, Mass.  
 Clearwater, Fla.  
 Rochester, Minn.  
 Cambridge, Mass.  
 Chicago, Ill.  
 Boston, Mass.  
 Chestnut Hill, Mass.  
 Weston, Mass.  
 Boston, Mass.  
 Brookline, Mass.  
 Boston, Mass.  
 Brookline, Mass.  
 Newton Centre, Mass.

Erich Lindemann '54  
 Edwin Allen Locke '29  
 Robert Frederick Loeb '49  
 William Malamud '44  
 Rustin McIntosh '54  
 James Howard Means ['27] '50  
 Karl Friedrich Meyer '35  
 Leroy Matthew Simpson Miner '34  
 Francis Daniels Moore '52  
 William Lorenzo Moss '28  
 John Rodman Paul '51  
 Joseph Hersey Pratt '27  
 Samuel Proger '50  
 Tracy Jackson Putnam '35  
 Francis Minot Rackemann '47  
 John Rock '48  
 Joseph Foster Ross '53  
 Arthur Hiler Ruggles '34  
 Arnold Max Seligman '52  
 George Cheever Shattuck '33  
 Richard Mason Smith '47  
 John Crayton Snyder '50  
 Harry Caesar Solomon '52  
 Merrill Clary Sosman '47  
 William Herbert Sweet '54  
 Nathan Bill Talbot '51  
 Carl TenBroeck '52  
 Siegfried Josef Thannhauser '46  
 George Widmer Thorn '44  
 Ernest Edward Tyzzer '14  
 Frederick Herman Verhoeff '14  
 Shields Warren '47  
 Joseph Treloar Wearn '27  
 Paul Dudley White '40

Cambridge, Mass.  
 Wilton, N. H.  
 New York, N. Y.  
 Boston, Mass.  
 New York, N. Y.  
 Boston, Mass.  
 San Francisco, Cal.  
 Newtonville, Mass.  
 Boston, Mass.  
 Athens, Ga.  
 New Haven, Conn.  
 Brookline, Mass.  
 Boston, Mass.  
 Beverly Hills, Cal.  
 Boston, Mass.  
 Roslindale, Mass.  
 Boston, Mass.  
 Providence, R. I.  
 Newton Centre, Mass.  
 Brookline, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Chestnut Hill, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Princeton, N. J.  
 Brookline, Mass.  
 Cambridge, Mass.  
 Wakefield, Mass.  
 Brookline, Mass.  
 West Newton, Mass.  
 Cleveland, O.  
 Brookline, Mass.

### CLASS III — SOCIAL ARTS AND SCIENCES — 252

#### SECTION 1 — *Social Relations* — 35

Including human geography and cultural anthropology,  
clinical and social psychology, etc.

Augusta Fox Bronner (Mrs. William Healy) '43  
 Henry Addington Bruce '31  
 Jerome Seymour Bruner '54  
 Edwin Sharp Burdell '45  
 Carleton Stevens Coon '43  
 Carl Rupp Doering '41  
 John Dollard '51

Clearwater, Fla.  
 Hartford, Conn.  
 Cambridge, Mass.  
 New York, N. Y.  
 Devon, Pa.  
 Norman, Okla.  
 New Haven, Conn.

John William Gardner '53  
 Sheldon Glueck '33  
 Clinton Strong Golden '51  
 Francis Keppel '53  
 Clyde Kay Maben Kluckhohn '44  
 Alfred Louis Kroeber '12  
 Paul Felix Lazarsfeld '51  
 Robert Morison MacIver '34  
 Mark Arthur May '50  
 Margaret Mead '48  
 Robert King Merton '50  
 Charles Frederick Mosteller '54  
 George Peter Murdock '51  
 Henry Alexander Murray, Jr. '35  
 William Fielding Ogburn '32  
 Douglas Llewellyn Oliver '53  
 Talcott Parsons '45  
 Carroll Cornelius Pratt '33  
 Robert Redfield '50  
 Pitirim Alexandrovich Sorokin '31  
 Leslie Spier '53  
 Herbert Joseph Spinden '26  
 Samuel Andrew Stouffer '50  
 Lewis Madison Terman '34  
 Fletcher Guard Watson '53  
 Derwent Stainthorpe Whittlesey '35  
 Frederick Roelker Wulsin '53  
 Carle Clark Zimmerman '34

New York, N. Y.  
 Cambridge, Mass.  
 Solebury, Pa.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Berkeley, Cal.  
 New York, N. Y.  
 New York, N. Y.  
 New Haven, Conn.  
 New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Boston, Mass.  
 Tallahassee, Fla.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Princeton, N. J.  
 Chicago, Ill.  
 Winchester, Mass.  
 Santa Cruz, Cal.  
 Carmel, N. Y.  
 Cambridge, Mass.  
 Palo Alto, Cal.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Medford, Mass.  
 Winchester, Mass.

### CLASS III, SECTION 2 — *Economics* — 41

James Waterhouse Angell '36  
 Richard Mervin Bissell '48  
 James Cummings Bonbright '36  
 Lloyd DeWitt Brace '49  
 Douglass Vincent Brown '44  
 Theodore Henry Brown '46  
 John Maurice Clark '34  
 William Lockhart Clayton '48  
 Arthur Harrison Cole '28  
 James Frederic Dewhurst '51  
 Arthur Stone Dewing '32  
 Paul Howard Douglas '50  
 Fred Rogers Fairchild '36  
 Ralph Evans Freeman '34  
 Edgar Stephenson Furniss '34  
 John Kenneth Galbraith '52  
 Carter Goodrich '50

New York, N. Y.  
 Washington, D. C.  
 New York, N. Y.  
 Boston, Mass.  
 Brookline, Mass.  
 Cambridge, Mass.  
 Westport, Conn.  
 Houston, Tex.  
 Cambridge, Mass.  
 New York, N. Y.  
 Newton, Mass.  
 Washington, D. C.  
 Hamden, Conn.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Cambridge, Mass.  
 New York, N. Y.

Earl Jefferson Hamilton '41  
 Seymour Edwin Harris '45  
 Paul Gray Hoffman '52  
 Bishop Carleton Hunt '48  
 Carl Kaysen '54  
 Charles Poor Kindleberger '54  
 Frank Hyneman Knight '34  
 Walter Wallace McLaren '32  
 William Rupert Maclaurin '45  
 Leon Carroll Marshall '32  
 Frederick Cecil Mills '32  
 Arthur Eli Monroe '34  
 Charles Andrew Myers '54  
 Edwin Griswold Nourse '34  
 William Andrew Paton '42  
 Paul Anthony Samuelson '42  
 Benjamin Morris Selekman '43  
 Philip Taft '49  
 Harry Rudolph Tosdal '37  
 Donald Skeele Tucker '31  
 Jacob Viner '34  
 Thomas North Whitehead '38  
 Joseph Henry Willits '36  
 Leo Wolman '34

Evanston, Ill.  
 Cambridge, Mass.  
 Los Angeles, Cal.  
 Norwell, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Chicago, Ill.  
 Englewood Cliffs, N. J.  
 Cambridge, Mass.  
 Chevy Chase, Md.  
 New York, N. Y.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Chevy Chase, Md.  
 Ann Arbor, Mich.  
 Belmont, Mass.  
 Cambridge, Mass.  
 Providence, R. I.  
 Belmont, Mass.  
 Belmont, Mass.  
 Princeton, N. J.  
 Cambridge, Mass.  
 New York, N. Y.  
 New York, N. Y.

### CLASS III, SECTION 3 — *Political Science* — 30

Roger Nash Baldwin '51  
 Alan Barth '52  
 Ralph Johnson Bunche '51  
 McGeorge Bundy '54  
 Robert Granville Caldwell '40  
 Charles Richards Cherington '52  
 Robert Treat Crane '33  
 John Henshaw Crider '52  
 Robert Eugene Cushman '52  
 Karl Wolfgang Deutsch '53  
 Thomas Hopkinson Eliot '52  
 Merle Fainsod '50  
 Carl Joachim Friedrich '44  
 James William Fulbright '50  
 John Merriman Gaus '50  
 Leland Matthew Goodrich '49  
 Edward Pendleton Herring '49  
 Arthur Norman Holcombe '27  
 Philip Carryl Jessup '32  
 George Frost Kennan '52  
 Boris Mirkine Guetézévitch '53

New York, N. Y.  
 Washington, D. C.  
 United Nations, N. Y.  
 Cambridge, Mass.  
 Mexico City, Mexico  
 Cambridge, Mass.  
 Baltimore, Md.  
 New York, N. Y.  
 Ithaca, N. Y.  
 Cambridge, Mass.  
 St. Louis, Mo.  
 Cambridge, Mass.  
 Concord, Mass.  
 Washington, D. C.  
 Cambridge, Mass.  
 New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 New York, N. Y.  
 Washington, D. C.  
 New York, N. Y.

William Bennett Munro '13  
 Norman Judson Padelford '52  
 Margaret Chase Smith '52  
 Harold Walter Stoke '46  
 Sarah Wambaugh '44  
 Leonard Dupee White '51  
 William Franklin Willoughby '32  
 Quincy Wright '27  
 Henry Aaron Yeomans '33

Pasadena, Cal.  
 Cambridge, Mass.  
 Washington, D. C.  
 Seattle, Wash.  
 Cambridge, Mass.  
 Chicago, Ill.  
 Washington, D. C.  
 Chicago, Ill.  
 Cambridge, Mass.

### CLASS III, SECTION 4 — *Law* — 39

Bailey Aldrich '54  
 Francis Noyes Balch ('24) '32  
 Stoughton Bell '36  
 Adolf Augustus Berle, Jr. '44  
 Claude Raymond Branch '36  
 Harvey Hollister Bundy '46  
 Zechariah Chafee, Jr. '50  
 Charles Allerton Coolidge '48  
 John Cobb Cooper '49  
 Charles Pelham Curtis '54  
 Robert Gray Dodge '38  
 John Wells Farley '49  
 Lon Louvois Fuller '40  
 Lloyd Kirkham Garrison '54  
 Herbert Funk Goodrich '39  
 Theodore Francis Green '33  
 Frank Washburn Grinnell '38  
 Erwin Nathaniel Griswold '41  
 John Loomer Hall '39  
 Learned Hand '33  
 Albert James Harno '39  
 William Henry Hastie '52  
 Charles Antone Horsky '49  
 Milton Katz '54  
 Phillips Ketchum '49  
 James McCauley Landis '38  
 Sayre Macneil '32  
 Calvert Magruder '32  
 Thomas Harrison Mahony '50  
 Harold Medina '51  
 William DeWitt Mitchell '31  
 Edmund Morris Morgan '31  
 John Lord O'Brian '47  
 George Wharton Pepper '01  
 Roscoe Pound '11  
 Stanley Elroy Qua '36

Boston, Mass.  
 Jamaica Plain, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Boston, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Princeton, N. J.  
 Boston, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Philadelphia, Pa.  
 Providence, R. I.  
 Boston, Mass.  
 Belmont, Mass.  
 Boston, Mass.  
 New York, N. Y.  
 Urbana, Ill.  
 Philadelphia, Pa.  
 Washington, D. C.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Rye, N. Y.  
 Los Angeles, Cal.  
 Cambridge, Mass.  
 Boston, Mass.  
 Foley Square, N. Y.  
 New York, N. Y.  
 Nashville, Tenn.  
 Washington, D. C.  
 Philadelphia, Pa.  
 Watertown, Mass.  
 Lowell, Mass.

Austin Wakeman Scott '21  
 Peter Woodbury '53  
 Charles Edward Wyzanski, Jr. '43

Cambridge, Mass.  
 Manchester, N. H.  
 Cambridge, Mass.

CLASS III, SECTION 5 — *Administration and Affairs* — 107  
 Including diplomacy, etc.

Frederick Baldwin Adams, Jr. '54  
 John Adams '53  
 Thomas Boylston Adams '53  
 Chester M. Alter '46  
 Samuel Tomlinson Arnold '53  
 George Pierce Baker '47  
 Chester Irving Barnard '39  
 Bancroft Beatley '49  
 Howard Landis Bevis '36  
 Samuel Bruce Black '49  
 Detlev Wulf Bronk '49  
 Sevellon Ledyard Brown '53  
 Thomas Dudley Cabot '47  
 Erwin Dain Canham '48  
 William Richards Castle '32  
 William Henry Clafin, Jr. '47  
 Margaret Clapp '52  
 Dean Alexander Clark '54  
 Paul Foster Clark '49  
 John Phillips Coolidge '53  
 William Terry Couch '50  
 Robert Cutler '48  
 Donald Kirk David '42  
 Saville Rogers Davis '50  
 John Sloan Dickey '46  
 Ernest Stanley Dodge '53  
 Charles Dollard '50  
 David Dubinsky '52  
 David Frank Edwards '46  
 Carl Stephens Ell '48  
 William Lusk Webster Field ('28) '32  
 Ralph Edward Flanders '39  
 William Cameron Forbes '27  
 Horace Sayford Ford '38  
 Raymond Blaine Fosdick '44  
 Edward Sanborn French '53  
 Horace Rowan Gaither, Jr. '54  
 Frank Porter Graham '52  
 Francis Calley Gray '48  
 Crawford Hallock Greenewalt '51  
 Joseph Clark Grew '32

New York, N. Y.  
 Boston, Mass.  
 South Lincoln, Mass.  
 Denver, Colo.  
 Providence, R. I.  
 Boston, Mass.  
 New York, N. Y.  
 Boston, Mass.  
 Columbus, O.  
 Boston, Mass.  
 Washington, D. C.  
 Providence, R. I.  
 Weston, Mass.  
 Newton, Mass.  
 Washington, D. C.  
 Belmont, Mass.  
 Wellesley, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Boston, Mass.  
 Boston, Mass.  
 Boston, Mass.  
 Hanover, N. H.  
 Salem, Mass.  
 New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 Newton, Mass.  
 Milton, Mass.  
 Springfield, Vt.  
 Norwood, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Springfield, Vt.  
 New York, N. Y.  
 New York, N. Y.  
 Boston, Mass.  
 Wilmington, Del.  
 Washington, D. C.



Alfred Whitney Griswold '51  
 Jacob George Harrar '52  
 William Averell Harriman '50  
 Christian Archibald Herter '50  
 Harold Daniel Hodgkinson '49  
 Ernest Martin Hopkins '44  
 Halford Lancaster Hoskins '33  
 Ernest Hamlin Huntress '36  
 Harrison Keller '52  
 Henry Plimpton Kendall '34  
 James Rhyne Killian, Jr. '44  
 David Eli Lilienthal '48  
 Walter Lippmann '49  
 Clarence Cook Little '34  
 Milton Edward Lord '47  
 Ralph Lowell '47  
 Louis Martin Lyons '49  
 Malcolm Perrine McNair '36  
 Daniel L. Marsh '42  
 Richard Stockton Meriam '34  
 Keyes DeWitt Metcalf '45  
 Henry Allen Moe '45  
 Ada (Comstock) Notestein '43  
 Irving Sands Olds '54  
 Christopher Hallowell Phillips '52  
 William Phillips '47  
 Gerard Piel '54  
 Nathan Marsh Pusey '54  
 Herbert Putnam '02  
 William McNear Rand '51  
 Clarence Belden Randall '54  
 Helen Rogers Reid '50  
 Walter Philip Reuther '52  
 Fritz Jules Roethlisberger '47  
 Arthur Grinnell Rotch '49  
 Abram Leon Sachar '51  
 William Gurdon Saltonstall '53  
 Francis Bowes Sayre '32  
 Erwin Haskell Schell '34  
 Henry Lee Shattuck '35  
 Henry Southworth Shaw '37  
 George Nauman Shuster '50  
 Alfred Pritchard Sloan, Jr. '48  
 George A. Sloan '49  
 Payson Smith ('28) '32  
 Huntley Nowell Spaulding '46  
 Albert Warren Stearns '33  
 Adlai Ewing Stevenson '53

New Haven, Conn.  
 New York, N. Y.  
 Washington, D. C.  
 Boston, Mass.  
 Boston, Mass.  
 Hanover, N. H.  
 Washington, D. C.  
 Melrose Highlands, Mass.  
 Boston, Mass.  
 Sharon, Mass.  
 Wellesley Hills, Mass.  
 New York, N. Y.  
 Washington, D. C.  
 Bar Harbor, Me.  
 Boxford, Mass.  
 Westwood, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 South Lincoln, Mass.  
 Belmont, Mass.  
 New York, N. Y.  
 New Haven, Conn.  
 New York, N. Y.  
 Washington, D. C.  
 North Beverly, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Washington, D. C.  
 Lincoln, Mass.  
 Chicago, Ill.  
 New York, N. Y.  
 Detroit, Mich.  
 Cambridge, Mass.  
 Boston, Mass.  
 Waltham, Mass.  
 Exeter, N. H.  
 Tokyo, Japan  
 Cambridge, Mass.  
 Boston, Mass.  
 Westbrook, Maine  
 New York, N. Y.  
 New York, N. Y.  
 New York, N. Y.  
 Orono, Maine  
 Rochester, N. H.  
 Billerica, Mass.  
 Springfield, Ill.

Earl Place Stevenson '52  
 Robert Burgess Stewart '46  
 Arthur Hays Sulzberger '50  
 Vernon Dale Tate '53  
 Alan Tower Waterman '54  
 William Webster '50  
 Sumner Welles '47  
 Nils Yngve Wessell '54  
 Walter Muir Whitehill '51  
 Carroll Louis Wilson '49  
 Charles Edward Wilson '44  
 Howard Eugene Wilson '48  
 Thomas James Wilson '50  
 Laurence Leathe Winship '41  
 Benjamin Fletcher Wright '50  
 Henry Merritt Wriston '48  
 Benjamin Loring Young ('25) '32  
 Owen D. Young '39

Cambridge, Mass.  
 Winchester, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Washington, D. C.  
 Wellesley, Mass.  
 Oxon Hill, Md.  
 Medford, Mass.  
 Boston, Mass.  
 Washington, D. C.  
 New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 South Sudbury, Mass.  
 Northampton, Mass.  
 Providence, R. I.  
 Weston, Mass.  
 Van Hornesville, N. Y.

## CLASS IV — HUMANITIES — 217

### SECTION 1 — *Philosophy and Theology* — 35

Julius Seelye Bixler '38  
 Brand Blanshard '46  
 Victor Lloyd Butterfield '50  
 Rudolph Carnap '48  
 Harold Claude Case '52  
 Robert Pierce Casey '36  
 James Bryant Conant '24  
 Curt John Ducasse '33  
 Angus Dun '43  
 Frederick May Eliot '48  
 Louis Finkelstein '54  
 James Everett Frame '38  
 Theodore Meyer Greene '53  
 John LaFarge '50  
 Clarence Irving Lewis '29  
 Richard Peter McKeon '42  
 Charles William Morris '52  
 Lewis Mumford '47  
 Thomas Munro '48  
 Arthur Edward Murphy '48  
 Ernest Nagel '54  
 Norman Burdett Nash '47  
 Arthur Darby Nock '32  
 Filmer Sears Cuckow Northrop '51  
 Charles Edwards Park '17

Waterville, Me.  
 New Haven, Conn.  
 Middletown, Conn.  
 Princeton, N. J.  
 Boston, Mass.  
 Providence, R. I.  
 Bonn, Germany  
 Providence, R. I.  
 Washington, D. C.  
 Cambridge, Mass.  
 New York, N. Y.  
 Princeton, N. J.  
 New Haven, Conn.  
 New York, N. Y.  
 Princeton, N. J.  
 Chicago, Ill.  
 Chicago, Ill.  
 Amenia, N. Y.  
 Cleveland, O.  
 Ithaca, N. Y.  
 New York, N. Y.  
 Boston, Mass.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Boston, Mass.

Willard Van Orman Quine '49  
 John Herman Randall, Jr. '54  
 Herbert Wallace Schneider '50  
 Henry Knox Sherrill '31  
 Walter Terence Stace '51  
 Russell Henry Stafford '29  
 Charles Lincoln Taylor '45  
 Robert Ulich '41  
 George Huntston Williams '53  
 John Joseph Wright '53

Oxford, England  
 New York, N. Y.  
 New York, N. Y.  
 New York, N. Y.  
 Princeton, N. J.  
 Hartford, Conn.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Worcester, Mass.

#### CLASS IV, SECTION 2 — *History and Archaeology* — 64

Warren Ortman Ault '41  
 Roland Herbert Bainton '54  
 Jacques Barzun '54  
 James Phinney Baxter, 3d '28  
 Herbert Bloch '50  
 John Otis Brew '52  
 Clarence Saunders Brigham '46  
 Lyman Henry Butterfield '53  
 Clarence Gordon Campbell '34  
 I. Bernard Cohen '52  
 Charles Woolsey Cole '48  
 Merle Eugene Curti '49  
 George de Santillana '54  
 William Bell Dinsmoor '44  
 Dows Dunham '54  
 John King Fairbank '54  
 Claude Moore Fuess '38  
 Hetty Goldman '50  
 Louis Gottschalk '50  
 Mason Hammond '49  
 Oscar Handlin '54  
 George Maxim Anossov Hanfmann '53  
 James Blaine Hedges '49  
 Hugh O'Neill Hencken '43  
 Bert Hodge Hill '14  
 Henry Russell Hitchcock '53  
 Hajo Holborn '41  
 Wilbur Kitchener Jordan '47  
 Michael Karpovich '50  
 Carl Tilden Keller '48  
 Alfred Vincent Kidder '53  
 William Leonard Langer '53  
 Ambrose Lansing '44  
 Kenneth Scott Latourette '49  
 Waldo Gifford Leland '32

Waban, Mass.  
 New Haven, Conn.  
 New York, N. Y.  
 Williamstown, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Worcester, Mass.  
 Boston, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Amherst, Mass.  
 Madison, Wis.  
 Cambridge, Mass.  
 New York, N. Y.  
 Boston, Mass.  
 Cambridge, Mass.  
 Chestnut Hill, Mass.  
 Princeton, N. J.  
 Chicago, Ill.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Providence, R. I.  
 Chestnut Hill, Mass.  
 Athens, Greece  
 Northampton, Mass.  
 Hamden, Conn.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 New York, N. Y.  
 New Haven, Conn.  
 Newton, Mass.

William E. Lingelbach '41  
 Elias Avery Lowe '44  
 Dumas Malone '36  
 Benjamin Dean Meritt '35  
 Stewart Mitchell '38  
 Robert Earle Moody '53  
 Elting Elmore Morison '54  
 Samuel Eliot Morison '15  
 Hallam Leonard Movius, Jr. '52  
 Otto Eduard Neugebauer '46  
 Elliott Perkins '53  
 Robert Henry Pfeiffer '34  
 Philip Phillips '53  
 Conyers Read '50  
 David Moore Robinson '34  
 Bernadotte Everly Schmitt '48  
 France Vinton Scholes '52  
 Donald Scott '36  
 Charles Seymour '38  
 Clifford Kenyon Shipton '52  
 Richard Harrison Shryock '49  
 Joseph Reese Strayer '54  
 Charles Holt Taylor '32  
 Lily Ross Taylor '51  
 Warren Stenson Tryon '53  
 Henry Rouse Viets '39  
 Gordon Randolph Willey '52  
 Robert Lee Wolff '54  
 Louis Booker Wright '49

Philadelphia, Pa.  
 Princeton, N. J.  
 New York, N. Y.  
 Princeton, N. J.  
 Boston, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Boston, Mass.  
 Cambridge, Mass.  
 Providence, R. I.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Philadelphia, Pa.  
 University, Miss.  
 Alexandria, Va.  
 Albuquerque, N. M.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Worcester, Mass.  
 Baltimore, Md.  
 Princeton, N. J.  
 Cambridge, Mass.  
 Rome, Italy  
 Boston, Mass.  
 Brookline, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Washington, D. C.

#### CLASS IV, SECTION 3 — *Philology and Criticism* — 55

Including linguistics, literary and art scholarship, etc.

Bernard Bloch '48  
 Peter Boodberg '52  
 Carl Darling Buck '21  
 Millar Burrows '49  
 Oscar James Campbell '49  
 Yuen Ren Chao '48  
 Walter Eugene Clark '20  
 William George Constable '46  
 Ronald Salmon Crane '32  
 Henry Grattan Doyle '44  
 Franklin Edgerton '20  
 John Peterson Elder '52  
 Serge Elisséeff '40  
 Edward Waldo Forbes '18  
 Jeremiah Denis Mathias Ford '14

New Haven, Conn.  
 Berkeley, Cal.  
 Chicago, Ill.  
 New Haven, Conn.  
 New York, N. Y.  
 Berkeley, Cal.  
 La Jolla, Cal.  
 Cambridge, Mass.  
 Chicago, Ill.  
 Washington, D. C.  
 Laramie, Wyo.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.

Lloyd Goodrich '54  
 Louis Herbert Gray '16  
 William Chase Greene '25  
 Charles Burton Gulick '13  
 Eric Alfred Havelock '53  
 George Lincoln Hendrickson '18  
 William Mills Ivins, Jr. '50  
 Werner Wilhelm Jaeger '40  
 Roman Jakobson '50  
 Howard Mumford Jones '38  
 Ralph Hayward Keniston '32  
 Hans Kurath '33  
 George Sherman Lane '52  
 Paul Henry Lang '53  
 Wolf Leslau '52  
 Harry Tuchman Levin '50  
 Wilmarth Sheldon Lewis '54  
 Ivan Mortimer Linforth '33  
 Millard Meiss '54  
 William Mathewson Milliken '54  
 Kenneth Ballard Murdock '31  
 William Albert Nitze '28  
 Erwin Panofsky '48  
 Howard Rollin Patch '33  
 Simon Rawidowicz '53  
 Fred Norris Robinson '11  
 Hyder Edward Rollins '38  
 Jakob Rosenberg '54  
 Henry Arthur Sanders '35  
 Meyer Schapiro '52  
 Heinrich Schneider '53  
 Taylor Starck '45  
 Archer Taylor '49  
 Charles Cutler Torrey '11  
 William Freeman Twaddell '47  
 Berthold Louis Ullman '48  
 Charles Frederick Voegelin '51  
 Ernest Hatch Wilkins '30  
 Edgar Wind '51  
 Harry Austryn Wolfson '33

New York, N. Y.  
 New York, N. Y.  
 Cambridge, Mass.  
 Scarsdale, N. Y.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Woodbury, Conn.  
 Watertown, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Ann Arbor, Mich.  
 Ann Arbor, Mich.  
 Chapel Hill, N. C.  
 New York, N. Y.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Farmington, Conn.  
 Berkeley, Cal.  
 New York, N. Y.  
 Cleveland, Ohio  
 Boston, Mass.  
 Los Angeles, Cal.  
 Princeton, N. J.  
 Northampton, Mass.  
 Waltham, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Ann Arbor, Mich.  
 New York, N. Y.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 Berkeley, Cal.  
 New Haven, Conn.  
 Providence, R. I.  
 Chapel Hill, N. C.  
 Bloomington, Ind.  
 Newton Centre, Mass.  
 Northampton, Mass.  
 Cambridge, Mass.

#### CLASS IV, SECTION 4 — *Fine Arts and Belles Lettres* — 63

Lawrence Bernhardt Anderson '53  
 Alfred Hamilton Barr, Jr. '52  
 Pietro Belluschi '52  
 Leonard Bernstein '51  
 Henry Beston '54

Cambridge, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 New York, N. Y.  
 Nobleboro, Maine

E. Power Biggs '50  
 William Welles Bosworth '32  
 Van Wyck Brooks '49  
 John Nicholas Brown '50  
 John Ely Burchard '50  
 Richard Burgin '47  
 Samuel Chamberlain '45  
 John Ciardi '53  
 Chalmers Dancy Clifton '32  
 Robert Peter Tristram Coffin '49  
 Kenneth John Conant '32  
 Aaron Copland '51  
 John Roderigo Dos Passos '47  
 William Addison Dwiggins '49  
 William Emerson '21  
 Esther Forbes '49  
 Robert Frost '31  
 Walter Gropius '44  
 Bartlett Harding Hayes, Jr. '48  
 Roland Hayes '53  
 Robert Silliman Hillyer '31  
 Charles Hopkinson '27  
 Mark Antony DeWolfe Howe '12  
 Joseph Hudnut '38  
 Archer Milton Huntington '18  
 William Alexander Jackson '45  
 Gyorgy Kepes '52  
 Otto Kinkeldey '42  
 Oliver LaFarge '53  
 Jack Levine '49  
 David Thompson Watson McCord '53  
 Charles Donagh Maginnis '21  
 Paul Manchip '31  
 Agnes Mongan '53  
 Charles Rufus Morey '44  
 Charles Munch '50  
 Thomas Willoughby Nason '54  
 Robert Treat Paine, Jr. '53  
 Walter Hamor Piston, Jr. '41  
 Lucien Price '49  
 John Crowe Ransom '53  
 Rudolph Ruzicka '53  
 Eero Saarinen '54  
 Paul Joseph Sachs '22  
 Charles Henry Sawyer '50  
 Ellery Sedgwick '14  
 Henry Dwight Sedgwick '19  
 José Luis Sert '54

Cambridge, Mass.  
 Paris, France  
 Bridgewater, Conn.  
 Providence, R. I.  
 Cambridge, Mass.  
 Brookline, Mass.  
 Marblehead, Mass.  
 New Brunswick, N. J.  
 New York, N. Y.  
 Brunswick, Me.  
 New York, N. Y.  
 Ossining, N. Y.  
 Westmoreland County, Va.  
 Hingham, Mass.  
 Cambridge, Mass.  
 Worcester, Mass.  
 Ripton, Vt.  
 Lincoln, Mass.  
 Andover, Mass.  
 Brookline, Mass.  
 Newark, Delaware  
 Manchester, Mass.  
 Boston, Mass.  
 Dedham, Mass.  
 Bethel, Conn.  
 Cambridge, Mass.  
 Cambridge, Mass.  
 New York, N. Y.  
 Santa Fe, N. M.  
 New York, N. Y.  
 Cambridge, Mass.  
 Brookline, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 Princeton, N. J.  
 Boston, Mass.  
 Lyme, Conn.  
 Cambridge, Mass.  
 Belmont, Mass.  
 Boston, Mass.  
 Gambier, Ohio  
 Boston, Mass.  
 Bloomfield, Mich.  
 Cambridge, Mass.  
 New Haven, Conn.  
 Beverly, Mass.  
 Dedham, Mass.  
 Cambridge, Mass.

Bruce Simonds '48  
 George Leslie Stout '54  
 Francis Henry Taylor '39  
 Randall Thompson '43  
 Lionel Trilling '52  
 Robert Penn Warren '51  
 Edward Augustus Weeks, Jr. '46  
 Karl Ephraim Weston '39  
 Elwyn Brooks White '52  
 William Wilson Wurster '46

Hamden, Conn.  
 Worcester, Mass.  
 New York, N. Y.  
 Cambridge, Mass.  
 New York, N. Y.  
 New Haven, Conn.  
 Boston, Mass.  
 Williamstown, Mass.  
 New York, N. Y.  
 Berkeley, Cal.

## FELLOWS EMERITI

Total number, 56

### CLASS I — MATHEMATICAL AND PHYSICAL SCIENCES — 14

#### SECTION 1 — *Mathematics* — 1

Frank Lauren Hitchcock '15                      Los Angeles, Cal.

#### CLASS I, SECTION 2 — *Physics* — 2

Lyman James Briggs '39                      Washington, D. C.  
 Maurice deKay Thompson '12                      Boston, Mass.

#### CLASS I, SECTION 3 — *Chemistry* — 3

Arthur Alphonso Blanchard '19                      Brookline, Mass.  
 George Shannon Forbes '15                      Cambridge, Mass.  
 Kenneth Lamartine Mark '32                      Boston, Mass.

#### CLASS I, SECTION 5 — *Earth Sciences* — 3

Reginald Aldworth Daly '09                      Cambridge, Mass.  
 Sterling Price Fergusson '34                      Milton, Mass.  
 Hervey Woodburn Shimer '11                      Hingham, Mass.

#### CLASS I, SECTION 6 — *Engineering Sciences and Technologies* — 5

Emory Leon Chaffee '16                      Belmont, Mass.  
 Hardy Cross '45                      New Haven, Conn.  
 Ralph Restieaux Lawrence '32                      Belmont, Mass.  
 Samuel Cate Prescott '14                      Brookline, Mass.  
 Robert Seaton Williams '19                      Belmont, Mass.

## CLASS II — BIOLOGICAL SCIENCES — 10

### SECTION 1 — *Biophysics and Biochemistry* — 2

John Wymond Miller Bunker '28  
Thorne Martin Carpenter '22

Belmont, Mass.  
Westwood, Mass.

### CLASS II, SECTION 2 — *Botany and Bacteriology* — 2

Joseph Horace Faull '29  
Elmer Drew Merrill '21

Cambridge, Mass.  
Jamaica Plain, Mass.

### CLASS II, SECTION 3 — *Zoology* — 1

Charles Thomas Brues '15

Newtonville, Mass.

### CLASS II, SECTION 4 — *Physiology and Experimental Psychology* — 1

Alexander Forbes '15

Milton, Mass.

### CLASS II, SECTION 5 — *Medicine* — 4

Sanford Burton Hooker '47  
Robert Bayley Osgood '25  
Frederick Fuller Russell '32  
Fritz Bradley Talbot '30

Bradford, Vt.  
Boston, Mass.  
Louisville, Ky.  
Winnonka, Mass.

## CLASS III — SOCIAL ARTS AND SCIENCES — 8

### SECTION 1 — *Social Relations* — 2

Walter Fenno Dearborn '28  
Henry Wyman Holmes '32

Cambridge, Mass.  
Cambridge, Mass.

### CLASS III, SECTION 2 — *Economics* — 3

William James Cunningham '32  
Clyde Orval Ruggles '31  
Abbott Payson Usher '33

Cambridge, Mass.  
Cambridge, Mass.  
Salem, Mass.

### CLASS III, SECTION 4 — *Law* — 1

Melvin Maynard Johnson '38

Brookline, Mass.

### CLASS III, SECTION 5 — *Administration and Affairs* — 2

Jerome Davis Greene '35  
Clair Elsmere Turner '36

Cambridge, Mass.  
Arlington, Mass.



## CLASS IV — THE HUMANITIES — 24

### SECTION 1 — *Philosophy and Theology* — 4

William Henry Paine Hatch '30	Exeter, N. H.
William Ernest Hocking '21	Madison, N. H.
Paul Johannes Tillich '50	New York, N. Y.
Henry Bradford Washburn '28	Cambridge, Mass.

### CLASS IV, SECTION 2 — *History and Archaeology* — 7

Helen Maud Cam '50	Seven Oaks, Kent, England
Gilbert Chinard '49	Princeton, N. J.
Sidney Bradshaw Fay '31	Cambridge, Mass.
George La Piana '22	Auburndale, Mass.
Charles Howard McIlwain '20	Auburndale, Mass.
George Sarton '27	Cambridge, Mass.
Gaetano Salvemini '41	Cambridge, Mass.

### CLASS IV, SECTION 3 — *Philology and Criticism* — 8

Henry Joel Cadbury '42	Wallingford, Pa.
George Raleigh Coffman '48	Newton, Mass.
Richmond Laurin Hawkins '38	Cambridge, Mass.
William Guild Howard '17	Cambridge, Mass.
Arthur Stanley Pease '32	Cambridge, Mass.
William Thomson '32	Athol, Mass.
George Benson Weston '33	Cambridge, Mass.
Charles Henry Conrad Wright '22	Cambridge, Mass.

### CLASS IV, SECTION 4 — *Fine Arts and Belles Lettres* — 5

Archibald Thompson Davison '41	Lincoln, Mass.
Edward Burlingame Hill '29	Francetown, N. H.
Chandler Rathfon Post '21	Cambridge, Mass.
Walter Raymond Spalding ['35] '44	Cambridge, Mass.
Martin Wagner '45	Cambridge, Mass.

## FOREIGN HONORARY MEMBERS

Total number, 149. Number limited to 150.

## CLASS I — MATHEMATICAL AND PHYSICAL SCIENCES — 45

### SECTION 1 — *Mathematics* — 6

Henri Paul Cartan '50	Paris, France
Arnaud Denjoy '39	Paris, France
Ronald Aylmer Fisher '34	Cambridge, England
Jacques Salomon Hadamard '20	Paris, France
Charles Jean de la Vallée Poussin '15	Uccle-Brussels, Belgium
Hermann Weyl '29	Princeton, N. J.

### CLASS I, SECTION 2 — *Physics* — 14

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Sir John Douglas Cockcroft '50	Harwell, England
Paul Adrien Maurice Dirac '50	Cambridge, England
Albert Einstein '24	Princeton, N. J.
James Franck '29	Chicago, Ill.
Cornelis Jacobus Gorter '52	Leiden, Holland
Abram F. Joffé '29	Leningrad, U. S. S. R.
Nevill Francis Mott '54	Cambridge, England
Wolfgang Ernst Pauli '50	Zürich, Switzerland
Meghnad N. Saha '47	Calcutta, India
Erwin Schrödinger '50	Dublin, Ireland
Franz Eugen Simon '52	Oxford, England
Sir George Paget Thomson '47	Cambridge, England
Max Felix Theodor von Laue '48	Berlin-Dahlem, Germany

### CLASS I, SECTION 3 — *Chemistry* — 8

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Jaroslav Heyrovsky '33	Prague, Czechoslovakia
Sir Cyril Norman Hinshelwood '51	Oxford, England
Friedrich Adolf Paneth '33	Mainz, Germany
Sir Robert Robinson '48	Oxford, England
Leopold Ruzicka '38	Zürich, Switzerland
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Heinrich Wieland '29	Munich, Germany

### CLASS I, SECTION 4 — *Astronomy* — 5

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Bertil Lindblad '46	Stockholm, Sweden
Jan Hendrik Oort '46	Leiden, Holland
G. A. Shajn '47	Simeis, U. S. S. R.
Sir Harold Spencer-Jones '45	Sussex, England

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Raoul Blanchard '36	Grenoble, France
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Léon William Collet '29	Geneva, Switzerland
Arthur Holmes '34	Edinburgh, Scotland
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Emil Probst '29	Oxford, England
Karl Willy Wagner '31	Friedrichsdorf, Germany

## CLASS II — BIOLOGICAL SCIENCES — 35

### SECTION 1 — *Biophysics and Biochemistry* — 8

Sir Charles Robert Harington '51	London, England
George De Hevesy '50	Copenhagen, Denmark
Archibald Vivian Hill '34	London, England
Kaj Ulrik Linderström-Lang '50	Copenhagen, Denmark
Hendrik Gunnar Lundegårdh '50	Uppsala, Sweden
Rudolph Albert Peters '50	Oxford, England
Axel Hugo Teodor Theorell '50	Stockholm, Sweden
Arne Tiselius '53	Uppsala, Sweden

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Carl Rudolf Florin '46	Stockholm, Sweden
Albert Jan Kluyver '53	Delft, Holland
P. Maheshwari '47	Dacca, India
Lorenzo Raimundo Parodi '42	Buenos Aires, Argentina
Alf Erling Porsild '47	Ottawa, Ontario
Otto Renner '29	Jena, Germany
Sir William Wright Smith '35	Edinburgh, Scotland
Claude Wilson Wardlaw '51	Manchester, England

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Emmanuel Fauré-Frémiet '38	Paris, France
Archibald Gowanlock Huntsman '48	Toronto, Ontario
Sir Arthur Keith '33	London, England
Alexander von Muralt '54	Berne, Switzerland
Wilhelm Joseph Schmidt '54	Giessen, Germany
David Meredith Seares Watson '53	London, England

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Henry Hallett Dale '27	London, England
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James Bertram Collip '52	London, Ontario
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B. Seeböhm Rowntree '38

North Dean, Bucks, England

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London, England

Luigi Einaudi '35

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London, England

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Cambridge, England

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Cambridge, England

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Kenzo Takayanagi '38

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Rome, Italy

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Winston Churchill '46

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Paul Claudel '32

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Herbert Vere Evatt '50

Canberra, Australia

Hu Shih '32

Peiping, China

Trygve Halvdan Lie '50

Lake Success, N. Y.

Charles Habib Malik '51

New York, N. Y.

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New Delhi, India

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Francisco Romero '46	Buenos Aires, Argentina
Sir William David Ross '50	Oxford, England
Albert Louis Philipp Schweitzer '54	Lambaréné, French Equatorial Africa

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Tomás Navarro '45	New York, N. Y.
Jan Hendrik Scholte '48	Amsterdam, Holland
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Thomas Stearns Eliot '54	London, England
Paul Hindemith '40	New Haven, Conn.
Oscar Niemeyer '49	Rio de Janeiro, Brazil
Jean Julius Christian Sibelius '41	Helsinki, Finland
Igor Stravinsky '40	Hollywood, Cal.
Jaime Torres Bodet '52	Paris, France
Rebecca West '50	Ibstone, Bucks, England

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 Norton, J. T. *F*, I:6  
 Notestein, A. L. C. *F*, III:5  
 Nottingham, W. B. *F*, I:2

- Nourse, E. G. *F*, III:2  
 Noyes, W. A., Jr. *F*, I:3  
 O'Brian, J. L. *F*, III:4  
 O'Brien, B. *F*, I:2  
 Ogburn, W. F. *F*, III:1  
 Oldenberg, O. *F*, I:2  
 Olds, I. S. *F*, III:5  
 Oliver, D. L. *F*, III:1  
 Olmsted, F. L. *F*, I:6  
 Oncley, J. L. *F*, I:3  
 Onsager, L. *F*, I:3  
 Oort, J. H. *FHM*, I:4  
 Oppenheimer, J. R. *F*, I:2  
 Orowan, E. *F*, I:6  
 Osgood, R. B. *FE*, II:5  
 Osterhout, W. J. V. *F*, II:2  
 Padelford, N. J. *F*, III:3  
 Paine, R. T., Jr. *F*, IV:4  
 Palacios, A. L. *FHM*, III:3  
 Paneth, F. A. *FHM*, I:3  
 Panofsky, E. *F*, IV:3  
 Pappenheimer, J. R. *F*, II:4  
 Park, C. E. *F*, IV:1  
 Parker, G. H. *F*, II:3  
 Parodi, L. R. *FHM*, II:2  
 Parsons, T. *F*, III:1  
 Patch, H. R. *F*, IV:3  
 Paton, W. A. *F*, III:2  
 Paul, J. R. *F*, II:5  
 Pauli, W. E. *FHM*, I:2  
 Pauling, L. C. *F*, I:3  
 Payne-Gaposchkin, C. *F*, I:4  
 Pearse, L. *F*, I:6  
 Pease, A. S. *FE*, IV:3  
 Pender, H. *F*, I:6  
 Penfield, W. G. *FHM*, II:5  
 Pepper, G. W. *F*, III:4  
 Perkins, E. *F*, IV:2  
 Peters, R. A. *FHM*, II:1  
 Pfeiffer, R. H. *F*, IV:2  
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 Phillips, P. *F*, IV:2  
 Phillips, W. *F*, III:5  
 Pickard, G. W. *F*, I:6  
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 Piel, G. *F*, III:5  
 Pierce, G. W. *F*, I:2  
 Pierce, J. A. *F*, I:6  
 Piéron, H. *FHM*, II:4  
 Pigou, A. C. *FHM*, III:2  
 Pilsbry, H. A. *F*, II:3  
 Pincus, G. *F*, II:4  
 Piston, W. H., Jr. *F*, IV:4  
 Plough, H. H. *F*, II:3  
 Porsild, A. E. *FHM*, II:2  
 Post, C. R. *FE*, IV:4  
 Pound, R. *F*, III:4  
 Pound, R. V. *F*, I:2  
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 Pratt, C. C. *F*, III:1  
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 Price, L. *F*, IV:4  
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 Qua, S. E. *F*, III:4  
 Quine, W. V. *F*, IV:1  
 Rabinowitch, E. *F*, II:1  
 Rackemann, F. M. *F*, II:5  
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 Ransom, J. C. *F*, IV:4  
 Raper, K. B. *F*, II:2  
 Rapport, D. *F*, II:4  
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 Reissner, E. *F*, I:1  
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 Reuther, W. P. *F*, III:5  
 Richards, A. N. *F*, II:4  
 Riddle, O. *F*, II:3  
 Rist, C. *FHM*, III:2  
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- Roberts, J. D. *F*, I:3  
 Robertson, D. H. *FHM*, III:2  
 Robinson, D. M. *F*, IV:2  
 Robinson, D. M. *F*, I:6  
 Robinson, F. N. *F*, IV:3  
 Robinson, Sir R. *FHM*, I:3  
 Rochow, E. G. *F*, I:3  
 Rock, J. *F*, II:5  
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 Roethlisberger, F. J. *F*, III:5  
 Rogers, A. F. *F*, I:5  
 Rollins, H. E. *F*, IV:3  
 Rollins, R. C. *F*, II:2  
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 Romero, F. *FHM*, IV:1  
 Rosenberg, J. *F*, IV:3  
 Ross, J. F. *F*, II:5  
 Ross, Sir W. D. *FHM*, IV:1  
 Rossby, C.-G. A. *F*, I:5  
 Rossi, B. B. *F*, I:2  
 Rotch, A. G. *F*, III:5  
 Rowntree, B. S. *FHM*, III:1  
 Rubey, W. W. *F*, I:5  
 Rüdenberg, R. *F*, I:6  
 Ruggles, A. H. *F*, II:5  
 Ruggles, C. O. *FE*, III:2  
 Russell, F. F. *FE*, II:5  
 Russell, H. N. *F*, I:4  
 Ruthven, A. G. *F*, II:3  
 Ruzicka, L. *FHM*, I:3  
 Ruzicka, R. *F*, IV:4  
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 Sachar, A. L. *F*, III:5  
 Sachs, P. J. *F*, IV:4  
 Saha, M. N. *FHM*, I:2  
 Salem, R. *F*, I:1  
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 Salvemini, G. *FE*, IV:2  
 Samuelson, P. A. *F*, III:2  
 Sanders, H. A. *F*, IV:3  
 Santillana, G. de *F*, IV:2  
 Sarton, G. *FE*, IV:2  
 Sawyer, C. H. *F*, IV:4  
 Sayre, F. B. *F*, III:5  
 Scatchard, G. *F*, I:3  
 Schaller, W. T. *F*, I:5  
 Schapiro, M. *F*, IV:3  
 Schell, E. H. *F*, III:5  
 Schmidt, G. *F*, II:1  
 Schmidt, K. P. *F*, II:3  
 Schmidt, W. J. *FHM*, II:3  
 Schmitt, B. E. *F*, IV:2  
 Schmitt, F. O. *F*, II:1  
 Schneider, H. *F*, IV:3  
 Schneider, H. W. *F*, IV:1  
 Scholes, F. V. *F*, IV:2  
 Scholte, J. H. *FHM*, IV:3  
 Schrader, F. *F*, II:3  
 Schrödinger, E. *FHM*, I:2  
 Schücking, L. L. *FHM*, IV:3  
 Schumb, W. C. *F*, I:3  
 Schwarzschild, M. *F*, I:4  
 Schweitzer, A. L. P. *FHM*, IV:1  
 Schwenk, E. *F*, I:3  
 Schwinger, J. S. *F*, I:2  
 Scott, A. W. *F*, III:4  
 Scott, D. *F*, IV:2  
 Sears, E. R. *F*, II:2  
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 Seligman, A. M. *F*, II:5  
 Sert, J. L. *F*, IV:4  
 Seymour, C. *F*, IV:2  
 Shajn, G. A. *FHM*, I:4  
 Shapiro, A. H. *F*, I:6  
 Shapley, H. *F*, I:4  
 Shattuck, G. C. *F*, II:5  
 Shattuck, H. L. *F*, III:5  
 Shaw, H. S. *F*, III:5  
 Shaw, M. C. *F*, I:6  
 Sheehan, J. C. *F*, I:3  
 Sherrill, H. K. *F*, IV:1  
 Sherrill, M. S. *F*, I:3  
 Sherwood, T. K. *F*, I:6  
 Shimer, H. W. *FE*, I:5  
 Shipton, C. K. *F*, IV:2  
 Shockley, W. *F*, I:2  
 Shrock, R. R. *F*, I:5  
 Shryock, R. H. *F*, IV:2  
 Shuster, G. N. *F*, III:5  
 Sibelius, J. J. C. *FHM*, IV:4  
 Sigerist, H. E. *FHM*, IV:2  
 Simon, F. E. *FHM*, I:2  
 Simonds, B. *F*, IV:4



- Simpson, G. G. *F*, II:3  
 Sinnott, E. W. *F*, II:2  
 Sizer, I. W. *F*, II:1  
 Skinner, B. F. *F*, II:4  
 Slater, J. C. *F*, I:2  
 Slipher, V. M. *F*, I:4  
 Sloan, A. P., Jr. *F*, III:5  
 Sloan, G. A. *F*, III:5  
 Smith, A. C. *F*, II:2  
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 Smith, P. *F*, III:5  
 Smith, R. M. *F*, II:5  
 Smith, Sir W. W. *FHM*, II:2  
 Snell, G. D. *F*, II:3  
 Snyder, J. C. *F*, II:5  
 Soderberg, C. R. *F*, I:6  
 Sollmann, T. H. *F*, II:1  
 Solomon, H. C. *F*, II:5  
 Sonneborn, T. M. *F*, II:3  
 Sorokin, P. A. *F*, III:1  
 Sosman, M. C. *F*, II:5  
 Spaak, P.-H. *FHM*, III:5  
 Spalding, W. R. *FE*, IV:4  
 Spaulding, H. N. *F*, III:5  
 Spencer, P. L. *F*, I:6  
 Spencer-Jones, H. *FHM*, I:4  
 Spier, L. *F*, III:1  
 Spinden, H. J. *F*, III:1  
 Spitzer, L. *F*, I:4  
 Spofford, C. M. *F*, I:6  
 Stace, W. T. *F*, IV:1  
 Stafford, R. H. *F*, IV:1  
 Stakman, E. C. *F*, II:2  
 Stanley, W. M. *F*, II:1  
 Starck, T. *F*, IV:3  
 Stare, F. J. *F*, II:1  
 Stearns, A. W. *F*, III:5  
 Stebbins, G. L., Jr. *F*, II:2  
 Stebbins, J. F. I:4  
 Stephenson, C. C. *F*, I:3  
 Stetson, H. C. *F*, I:5  
 Stetson, H. T. *F*, I:4  
 Stevens, S. S. *F*, II:4  
 Stevenson, A. E. *F*, III:5  
 Stevenson, E. P. *F*, III:5  
 Stever, H. G. *F*, I:6  
 Stewart, G. W. *F*, I:2  
 Stewart, R. B. *F*, III:5  
 Stockmayer, W. H. *F*, I:3  
 Stoke, H. W. *F*, III:3  
 Stouffer, S. A. *F*, III:1  
 Stout, G. L. *F*, IV:4  
 Stratton, J. A. *F*, I:2  
 Stravinsky, I. *FHM*, IV:4  
 Strayer, J. R. *F*, IV:2  
 Street, J. C. *F*, I:2  
 Struik, D. J. *F*, I:1  
 Struve, O. *F*, I:4  
 Sulzberger, A. H. *F*, III:5  
 Sumner, J. B. *F*, II:1  
 Svedberg, T. *FHM*, I:3  
 Sverdrup, H. U. *F*, I:5  
 Swain, C. G. *F*, I:3  
 Sweet, W. H. *F*, II:5  
 Szilard, L. *F*, II:1  
 Taft, P. *F*, III:2  
 Takayanagi, K. *FHM*, III:4  
 Talbot, F. B. *FE*, II:5  
 Talbot, N. B. *F*, II:5  
 Tarski, A. *F*, I:1  
 Tate, V. D. *F*, III:5  
 Taylor, A. *F*, IV:3  
 Taylor, C. F. *F*, I:6  
 Taylor, C. H. *F*, IV:2  
 Taylor, C. L. *F*, IV:1  
 Taylor, E. S. *F*, I:6  
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 Taylor, H. S. *F*, I:3  
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 Taylor, W. R. *F*, II:2  
 Teller, E. *F*, I:2  
 TenBroeck, C. *F*, II:5  
 Terman, L. M. *F*, III:1  
 Terzaghi, K. *F*, I:6  
 Thannhauser, S. J. *F*, II:5  
 Theorell, A. H. T. *FHM*, II:1  
 Thimann, K. V. *F*, II:2  
 Thomas, F. W. *FHM*, IV:3  
 Thompson, M. deK. *FE*, I:2  
 Thompson, R. *F*, IV:4  
 Thomson, Sir G. H. *FHM*, II:4  
 Thomson, Sir G. P. *FHM*, I:2

- Thomson, W. *FE*, IV:3  
 Thorn, G. W. *F*, II:5  
 Thurstone, L. L. *F*, II:4  
 Tillich, P. J. *FE*, IV:1  
 Tiseliu, A. *FHM*, II:1  
 Tisza, L. *F*, I:2  
 Tolman, E. C. *F*, II:4  
 Torres Bodet, J. *FHM*, IV:4  
 Torrey, C. C. *F*, IV:3  
 Tosdal, H. R. *F*, III:2  
 Toynbee, A. J. *FHM*, IV:2  
 Trevelyan, G. M. *FHM*, IV:3  
 Trilling, L. *F*, IV:4  
 Trump, J. G. *F*, I:6  
 Tryon, W. S. *F*, IV:2  
 Tucker, D. S. *F*, III:2  
 Turner, C. E. *FE*, III:5  
 Tuve, M. A. *F*, I:2  
 Twaddell, W. F. *F*, IV:3  
 Tyzzer, E. E. *F*, II:5  
 Uhlig, H. H. *F*, I:6  
 Ulich, R. *F*, IV:1  
 Ullman, B. L. *F*, IV:3  
 Unwin, Sir S. *FHM*, III:5  
 Urey, H. C. *F*, I:3  
 Usher, A. P. *FE*, III:2  
 Vallarta, M. S. *F*, I:2  
 Vallée Poussin, C. J., de la *FHM*, I:1  
 Van de Graaff, R. J. *F*, I:2  
 Van Niel, C. B. *F*, II:2  
 Van Vleck, J. H. *F*, I:2  
 Veblen, O. *F*, I:1  
 Vecchio, G., Del *FHM*, III:4  
 Verdoorn, F. *F*, II:2  
 Verhoeff, F. H. *F*, II:5  
 Vernon, A. A. *F*, I:3  
 Vickery, H. B. *F*, II:1  
 Viets, H. R. *F*, IV:2  
 Vigneaud, V., du *F*, II:1  
 Villegas, *see* Cosío Villegas  
 Viner, J. *F*, III:2  
 Voegelin, C. F. *F*, IV:3  
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 von Hippel, A. R. *F*, I:2  
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 von Laue, M. T. F. *FHM*, I:2  
 von Muralt, A. *FHM*, II:3  
 von Neumann, John *F*, I:1  
 Wagner, C. W. *F*, I:6  
 Wagner, K. W. *FHM*, I:6  
 Wagner, M. *FE*, IV:4  
 Waksman, S. A. *F*, II:2  
 Wald, G. *F*, II:1  
 Walsh, J. L. *F*, I:1  
 Wambaugh, S. *F*, III:3  
 Wang, H. *F*, I:1  
 Wardlaw, C. W. *FHM*, II:2  
 Warner, E. P. *F*, I:6  
 Warren, B. E. *F*, I:2  
 Warren, R. P. *F*, IV:4  
 Warren, S. *F*, II:5  
 Washburn, H. B. *FE*, IV:1  
 Waterman, A. T. *F*, III:5  
 Watson, D. M. S. *FHM*, II:3  
 Watson, F. G. *F*, III:1  
 Watson, J. B. *F*, II:4  
 Waugh, D. F. *F*, II:1  
 Wearn, J. T. *F*, II:5  
 Webb, J. H. *F*, I:2  
 Weber, H. C. *F*, I:6  
 Webster, D. L. *F*, I:2  
 Webster, W. *F*, III:5  
 Weeks, E. A., Jr. *F*, IV:4  
 Weiss, P. A. *F*, II:3  
 Weisskopf, V. F. *F*, I:2  
 Welles, S. *F*, III:5  
 Welsh, J. H. *F*, II:3  
 Wessell, N. Y. *F*, III:5  
 West, C. D. *F*, I:3  
 West, R. *FHM*, IV:4  
 Westheimer, F. H. *F*, I:3  
 Weston, G. B. *FE*, IV:3  
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 Weston, W. H., Jr. *F*, II:2  
 Wetmore, R. H. *F*, II:2  
 Weyl, H. *FHM*, I:1  
 Weyssse, A. W. *F*, II:3  
 Wheeler, J. A. *F*, I:2  
 Whipple, F. L. *F*, I:4  
 White, E. B. *F*, IV:4  
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 White, P. D. *F*, II:5  
 White, P. R. *F*, II:4  
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Whitehill, W. M. *F*, III:5  
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 Widder, D. V. *F*, I:1  
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 Wind, E. *F*, IV:3  
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Wong Wen-hao *FHM*, I:5  
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 Woodward, R. B. *F*, I:3  
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 Wright, B. F. *F*, III:5  
 Wright, Baron *FHM*, III:4  
 Wright, C. H. C. *FE*, IV:3  
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 Wright, L. B. *F*, IV:2  
 Wright, Q. *F*, III:3  
 Wright, S. *F*, II:3  
 Wriston, H. M. *F*, III:5  
 Wu, J. C. H. *FHM*, III:4  
 Wulff, J. *F*, I:6  
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 Young, B. L. *F*, III:5  
 Young, O. D. *F*, III:5  
 Young, R. C. *F*, I:3  
 Zacharias, J. R. *F*, I:2  
 Zamecnik, P. C. *F*, II:1  
 Zariski, O. *F*, I:1  
 Zimmerman, C. C. *F*, III:1  
 Zimmern, Sir A. *FHM*, III:3  
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## STATUTES

### THE AMERICAN ACADEMY OF ARTS AND SCIENCES

*Adopted November 8, 1911; amended May 8, 1912, January 8, and May 14, 1913, April 14, 1915, April 12, 1916, April 10, 1918, May 14, 1919, February 8, April 12, and December 13, 1922, February 14, March 14, and October 10, 1923, March 10, 1926, May 9, 1928, April 8, and November 11, 1931, April 12, 1933, February 14, 1934, December 14, 1938, January 11, April 12, 1939, May 8, 1940, May 14, 1941, November 18, 1942, and January 12, 1944, May 9, 1945, November 14, 1945, February 2, 1946, October 9, 1946, October 8, 1947, March 9, 1949, October 11, 1950, March 14, 1951, May 14, 1952, January 14, 1953, and November 10, 1954.*

## CHAPTER I

### THE ACADEMY AND ITS CORPORATE SEAL

ARTICLE 1. The American Academy of Arts and Sciences is a body politic and corporate by the same name, forever, established by the Council and House of Representatives in General Court of the Province of Massachusetts Bay as recorded in Chap. 46 of the Acts of 1779.

ARTICLE 2. As enacted above, the stated end and design of the institution of the said Academy is to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries, mathematical disquisitions, philosophical enquiries and experiments, astronomical, meteorological and geographical observations; and improvements in agriculture, arts, manufacture and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity and happiness of a free, independent and virtuous people.

ARTICLE 3. The Corporate Seal of the Academy shall be as here depicted.



ARTICLE 4. The Secretary shall have the custody of the Corporate Seal.

*See Chap. v, art. 3; chap. vi, art. 1.*

## CHAPTER II

### MEMBERSHIP AND DUES

ARTICLE 1. The Academy shall consist of Fellows, elected from the citizens or residents of the United States of America, Fellows Emeriti, and Foreign Honorary Members. They are arranged in four Classes, according to the Arts and Sciences in which they are severally proficient. Each Class shall be divided into the several Sections shown in the following table.

#### CLASS I. MATHEMATICAL AND PHYSICAL SCIENCES

##### Section 1. Mathematics

2. Physics
3. Chemistry
4. Astronomy
5. Earth Sciences<sup>1</sup>
6. Engineering Sciences and Technologies

#### CLASS II. BIOLOGICAL SCIENCES

##### Section 1. Biophysics and Biochemistry<sup>2</sup>

2. Botany and Bacteriology
3. Zoology<sup>3</sup>
4. Physiology and Experimental Psychology
5. Medicine<sup>4</sup>

#### CLASS III. SOCIAL ARTS AND SCIENCES

##### Section 1. Social Relations<sup>5</sup>

2. Economics
3. Political Science
4. Law
5. Administration and Affairs<sup>6</sup>

#### CLASS IV. HUMANITIES

##### Section 1. Philosophy and Theology

2. History and Archaeology
3. Philology and Criticism<sup>7</sup>
4. Fine Arts and Belles Lettres

<sup>1</sup>Including geology, physiography, mineralogy, meteorology, and oceanography, etc.

<sup>2</sup>Including pharmacology, etc.

<sup>3</sup>Including physical anthropology, etc.

<sup>4</sup>Including surgery and psychiatry, etc.

<sup>5</sup>Including human geography and cultural anthropology, clinical and social psychology, etc.

<sup>6</sup>Including diplomacy, etc.

<sup>7</sup>Including linguistics, literary and art scholarship, etc.

ARTICLE 2. The number of Fellows shall not exceed thirteen hundred fifty, of whom not more than two-thirds shall be residents of New England. The number of Fellows in the four Classes, I through IV, shall be approximately in the ratio of 6: 5: 5: 4, respectively.

Any Fellow of the Academy on retiring from his academic or other regular duties may, if he so requests in writing, and with the approval of the Council, be transferred to the status of Fellow Emeritus.

Fellows Emeriti shall be exempt from payment of dues. They may not hold elective office in the Academy, nor serve on Standing Committees, nor vote at meetings, but shall have all the other privileges of Fellowship.

Fellows Emeriti shall be separately classified and shall be outside the statutory limit set on the total number of Fellows and the number in a given Class.

*See Chap. ix, art. 3; chap. x, art. 1.*

ARTICLE 3. The number of Foreign Honorary Members shall not exceed one hundred and fifty. They shall be chosen from citizens of foreign countries who are eminent for their discoveries or attainments in any of the Classes above enumerated. There shall be not more than forty-five in any one Class.

ARTICLE 4. Diplomas signed by the President and the Vice-President of the Class to which the member belongs, and countersigned by the Secretary, shall be given to Fellows and Foreign Honorary Members.

ARTICLE 5. If any person, after being notified of his election as Fellow or Foreign Honorary Member, shall neglect for six months to accept in writing, his election shall be void.

ARTICLE 6. Every Fellow resident within fifty miles of Boston hereafter elected shall pay an admission fee of ten dollars: if he shall neglect to pay this fee within six months of the date of his election, his election shall become void. Fellows resident more than fifty miles from Boston shall pay no admission fee.

Every Fellow resident within fifty miles of Boston shall pay, unless he enjoys statutory exemption, such Annual Dues, not exceeding fifteen dollars, as shall be voted annually in March by the Academy. These shall become due on the first of June.

Every Fellow residing more than fifty miles from Boston elected after 1938 shall pay, unless he enjoys statutory exemption, such Annual Dues, not exceeding five dollars, as shall be voted annually in March by the Academy. These shall become due on the first of June.

ARTICLE 7. Exemption from further payment of Annual Dues shall be granted by the Council or its designate to any Fellow who has paid such dues, at either resident or non-resident rate, for forty years; or having attained the age of seventy-five, has paid dues for twenty-five years.

Exemption from further payment of Annual Dues shall be granted forthwith by the Council or its designate to any Fellow who pays into the treasury of the Academy the sum of two hundred dollars for the purpose of commuting subsequent dues, in addition to his previous payments.

ARTICLE 8. Any Fellow, resident or non-resident, who shall neglect to pay his Annual Dues for six months after they are due and who ignores notification by the Treasurer of the requirements of this Article of the Statutes shall cease to be a Fellow.

ARTICLE 9. Upon petition of any Fellow, the Council may by a majority vote suspend the application of any penalties hereinabove prescribed in this chapter for an additional period of time not longer than three months.

ARTICLE 10. Only Fellows who pay Annual Dues or are exempted from further payment by commutation of dues or otherwise as set forth in Article 7 of this Chapter may hold elective office in the Academy or serve on Standing Committees as specified in Chapter XI, or vote at meetings.

ARTICLE 11. If, in the opinion of a majority of the entire Council, any Fellow or Foreign Honorary Member shall have rendered himself unworthy of a place in the Academy, the Council shall recommend to the Academy the termination of his membership; and if three-fourths of the Fellows present out of a total attendance of not less than fifty at a Stated Meeting, or at a Special Meeting called for the purpose, shall adopt this recommendation, his name shall be stricken from the Roll.

*See Chap. iii; chap. vi, art. 5 and 6; chap. x, art. 1.*

### CHAPTER III

#### NOMINATION AND ELECTION OF FELLOWS AND FOREIGN HONORARY MEMBERS

The procedure for nomination and election of Fellows and Foreign Honorary Members shall be as follows:

ARTICLE 1. Nominations may be made at any time by any two Fellows in writing on forms to be provided by the Secretary and shall be referred by him to the Committee on Membership.

The Committee on Membership shall meet following the stated meetings of the Academy in May, November, February and March, and at such other times as it may determine, to appraise nominations received by it from the Fellows from time to time, to originate further nominations, and to approve as candidates for election those receiving the favorable vote of two-thirds of the committee members present in any meeting attended by not less than five of its members.

Immediately following its meeting in February, the Committee shall cause to be sent to every Fellow a list of nominees, with biographical and professional data thereon, together with names of nominators, for appraisal, expression of preference, or other comment by the Fellows.

The Committee, at its March meeting, shall review all nominations, together with comments by the Fellows thereon, and shall compile a list of approved candidates for the annual election of Fellows and Foreign Honorary Members. It shall present this list together with data pertaining thereto to the Council not later than at the Stated Meeting of the Council in April.

The Council, by vote of the majority of members present at a meeting, shall make final nominations from the list of approved persons recommended by the Committee on Membership for election by the Fellows.

ARTICLE 2. Election of Fellows and Foreign Honorary Members shall be made by a majority of the Fellows present at the Annual Meeting in May, from the nominations presented at that meeting by the Council.

ARTICLE 3. Each Fellow-elect or Foreign Honorary Member-elect shall immediately following his election be notified thereof in writing by the Secretary.

*See Chap. ii; chap. vi, art. 5; chap. x, art. 1; chap. xi, art. 1 (ii).*



## CHAPTER IV

### OFFICERS

ARTICLE 1. The Officers of the Academy shall be a President (who shall be Chairman of the Council), four Vice-Presidents (one from each Class), a Secretary (who shall be Secretary of the Council), a Treasurer, a Librarian, and an Editor, all of whom shall be elected by ballot at the Annual Meeting, and shall take office at the close of that meeting, and shall hold their respective offices for one year, and until others are duly chosen and take office.

There shall be also twenty Councillors, one for each Section of each Class; at each Annual Meeting five Councillors shall be elected by ballot to serve for a term of four years, and they shall take office at the close of that meeting and shall hold office until others are duly chosen and take office. The same Fellow shall not be eligible for two successive terms.

The Councillors, with the officers previously named, and the Chairmen of the Standing Committees, *ex officio*, shall constitute the Council.

*See Chap. xi, art. 1.*

ARTICLE 2. If any officer be unable, through death, absence, or disability, to fulfill the duties of his office, or if he shall resign, his place may be filled by the Council in its discretion for any part or the whole of the unexpired term.

ARTICLE 3. The Nominating Committee, as constituted under Chapter XI, Article 1 (xi), shall prepare a list of nominees for the several offices to be filled, and for the Standing Committees, and file it with the Secretary not later than eight weeks before the Annual Meeting.

The Secretary shall transmit to the Fellows, previous to the stated meeting in April, the report of the Nominating Committee.

ARTICLE 4. Independent nominations for any office, if signed by at least twenty Fellows having the right to vote, and received by the Secretary not less than twenty days before the Annual Meeting, shall be included in the election procedure.

ARTICLE 5. The Secretary shall prepare for use in voting at the Annual Meeting a ballot containing the names of all persons duly nominated for office.

## CHAPTER V

### THE PRESIDENT

ARTICLE 1. The President, or in his absence a Vice-President, shall preside at meetings of the Academy.

*See Chap. vi, art. 3.*

ARTICLE 2. The President shall be the chief executive officer of the Academy. He shall present to the Council for its consideration all matters pertinent to the interests of the Academy and to the discharge of its obligations to the community or to the advancement of scholarship.

ARTICLE 3. Any deed or writing to which the Corporate Seal is to be affixed, except leases of real estate, shall be executed in the name of the Academy by the President or in the event of his death, absence, or inability, by one of the Vice-Presidents, when thereto duly authorized by the Council.

ARTICLE 4. In case of incapacity of the President, the Council shall designate a Vice-President to carry out the duties of the office.

*See Chap. ii, art. 4; chap. iv, art. 1, 3; chap. vi, art. 3; chap. viii, art. 4; chap. x, art. 3; chap. xi, art. 1 (ii), (iii), (x); chap. xii, art. 1.*

## CHAPTER VI

### THE SECRETARY

ARTICLE 1. The Secretary shall provide for the custody of the Charter, Corporate Seal, Statute Book, Journals of the Academy, and other Archives.

ARTICLE 2. He shall be responsible for the correspondence of the Academy and of the Council. At each meeting of the Council he shall present any important communications addressed to the Academy which have been received since the previous meeting, and at the next meeting of the Academy he shall present such matters as the Council may determine.

ARTICLE 3. He shall attend the meetings of the Academy and the Council and shall arrange for the keeping of a faithful record of the

attendance and of the proceedings. In the absence of the President and of all the Vice-Presidents, he shall call the meeting to order and preside until a chairman is chosen by majority vote of the Fellows present.

ARTICLE 4. He shall apprise officers and committees of their election or appointment, and inform the Treasurer and the Chairman of each Standing Committee of appropriations of money voted by the Academy.

ARTICLE 5. He shall notify all persons who may be elected Fellows or Foreign Honorary Members, send to each a copy of the Statutes, and on their acceptance issue the proper Diploma. After all elections, he shall insert in the Records the names of the Fellows by whom the successful nominees were proposed.

ARTICLE 6. He shall keep and cause to be printed annually a list of the Fellows and Foreign Honorary Members, arranged in their several Classes and Sections, and a list of Fellows and Foreign Honorary Members of whose deaths he has been informed.

ARTICLE 7. He shall arrange for the preservation of records of the death of Fellows and Foreign Honorary Members and biographical notices published on the occasion of their death, or at other times.

*See Chap. i, art. 2; chap. ii, art. 4; chap. iii; chap. iv, art. 1, 3, 4, 5; chap. ix, art. 3; chap. xi, art. 1 (iii), 2; chap. xii, art. 1, 3.*

## CHAPTER VII

### THE TREASURER AND THE TREASURY

ARTICLE 1. The Treasurer shall collect all money due or payable to the Academy and all gifts or bequests made to it. He shall pay all bills due and payable by the Academy when approved by the proper officers. He shall sign all leases of real estate in the name of the Academy. He shall be the official custodian of all bonds, stocks and other securities and, with the written approval of any one member of the Committee on Finance, he shall have full authority to sell and transfer, invest and reinvest from time to time in such manner and upon such terms as shall to him seem best, the whole or any part of the personal property of the said Academy.

He shall keep a faithful account of all receipts and expenditures, submit his accounts annually to the Auditing Committee, and render

them at the expiration of his term of office, or whenever required to do so by the Academy or the Council.

He shall keep separate accounts of the income of the Rumford Fund, and of all other special Funds, and of the appropriation thereof, and render them annually.

He shall fund all payments received in commutation of Dues, their income only to be applied toward current expenditures.

His accounts shall always be open to the inspection of the Council.

ARTICLE 2. He shall report annually to the Council at its March meeting on the expected income of the various Funds and from all other sources, together with appropriations needed by Officers and Standing Committees for the ensuing fiscal year. He shall also report the names of all Fellows who may be then delinquent in the payment of their Annual Dues.

ARTICLE 3. He shall give such security for the trust reposed in him as the Academy may require.

ARTICLE 4. With the approval of a majority of the Committee on Finance, he may appoint an Assistant Treasurer to perform his duties, for whose acts, as such assistant, he shall be responsible; or, with like approval and responsibility, he may employ any Trust Company doing business in Boston as his agent for the same purpose, the compensation of such Assistant Treasurer or agent to be fixed by the Committee on Finance and paid from the Funds of the Academy.

ARTICLE 5. At the Annual Meeting he shall report in print all his official doings for the preceding year, stating the amount and condition of all the property of the Academy entrusted to him, and the character of the investments.

ARTICLE 6. The Financial Year of the Academy shall begin with the first day of April.

ARTICLE 7. No person or committee shall incur any debt or liability in the name of the Academy, unless in accordance with a previous vote and appropriation therefor by the Academy or the Council, or sell or otherwise dispose of any property of the Academy, except cash or invested funds, without previous consent and approval of the Council.

*See* Chap. ii, art. 2, 6, 7, 8; chap. iv, art. 1; chap. vi, art. 4; chap. ix, art. 6; chap. xi, art. 1 (i), (iv), (v), art. 2; chap. xii, art. 1.

## CHAPTER VIII

### THE LIBRARIAN AND THE LIBRARY

ARTICLE 1. The Librarian shall have charge of the Library and keep a correct catalog of it.

ARTICLE 2. The Librarian shall have authority to expend such sums as may be appropriated by the Academy for the purchase, repair, or maintenance of books, periodicals, etc., and for defraying other necessary expenses connected with the Library.

ARTICLE 3. The Librarian shall have the custody of the publications of the Academy. With the advice and consent of the President, he may effect exchanges with other associations.

*See Chap. iv, art. 1; chap. xi.*

## CHAPTER IX

### THE EDITOR AND THE PUBLICATIONS

ARTICLE 1. The Editor shall have charge of the conduct through the press of the publications of the Academy. Together with the Committee on Publication he shall determine the contents of the publications.

ARTICLE 2. The publications of the Academy shall be as follows:

(i) The Proceedings shall be published at least semi-annually.

(ii) Memoirs, monographs and volumes of collected papers may be published from time to time.

(iii) The Bulletin of the American Academy of Arts and Sciences shall be published preceding the stated meetings, containing notices of such meetings, communications from the Council or Officers, and such other matter as may be of timely interest to the Fellows.

ARTICLE 3. A copy of the Proceedings and of the Bulletin shall be mailed to each Fellow, Fellow Emeritus, and Foreign Honorary Member.

ARTICLE 4. Fellows who pay Annual Dues or who are exempted from further payment thereof under Chapter II, Article 7, Fellows Emeriti, and Foreign Honorary Members shall be entitled, upon written request to the Librarian, to receive gratis one copy of each number of Proceedings, Memoirs, and Bulletin which have been issued after their election and are available.

ARTICLE 5. Not more than two hundred extra copies of each paper printed in the Proceedings shall be placed at the disposal of the author without charge.

ARTICLE 6. The Editor shall have the authority to expend for printing and other expenses of publication such sums as may be appropriated by the Academy for such purposes; also such sums as may be made available to him by the Council from any source for particular publications under the sponsorship of the Academy.

*See Chap. iv, art. 1; chap. xi, art. 1 (vi).*

## CHAPTER X

### THE COUNCIL

ARTICLE 1. The Council shall exercise general supervision over all affairs of the Academy not explicitly reserved to the Academy as a whole.

It shall consider all nominations of Fellows and Foreign Honorary Members duly sent to it by the Committee on Membership, and act upon them in accordance with the provisions of Chapter III.

With the consent of the person concerned it shall have power to transfer in respect to status, Class, or Section.

ARTICLE 2. Nine members shall constitute a quorum.

ARTICLE 3. It shall act upon all resignations and forfeitures of membership in the Academy.

It shall appoint all agents and subordinates not otherwise provided for by the Statutes, prescribe their duties, and fix their compensation. They shall hold their respective positions during the pleasure of the Council.

It shall fill any vacancy caused by death, resignation or incapacity of any officer.

ARTICLE 4. It may authorize the appointment for terms not exceeding one year, and prescribe the functions of such committees of its number or of the Fellows of the Academy, as it may deem expedient, to facilitate the administration of the affairs of the Academy or to promote its interests.

ARTICLE 5. At the stated March meeting of the Academy it shall recommend for action at that meeting the appropriations which in its

opinion should be made for the ensuing fiscal year, and the Annual Dues therefor.

It may recommend special appropriations at any Stated Meeting of the Academy, or at a Special Meeting, in the call for which such business shall have been included.

See Chap. ii, art. 2, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 2; chap. v, art. 2, 3; chap. vi, art. 2, 3; chap. vii, art. 1, 2, 7; chap. ix, art. 6; chap. xi, art. 1; chap. xii, art. 1, 4, 6.

## CHAPTER XI

### STANDING COMMITTEES

ARTICLE 1. At each Annual Meeting, the following Standing Committees shall be perpetuated by election by ballot by the Fellows of the appropriate number of nominees to maintain the strength of each committee as provided hereinbelow. A Fellow shall not be eligible for election for two successive terms.

(i) *The House Committee* shall consist of three Fellows, one of whom shall be elected at each Annual Meeting to serve for a term of three years. One member of this committee shall in such an election be designated by the electors to serve as Chairman of the House Committee for the duration of the term for which he has been elected as a member of the committee. It shall have general charge of maintaining the House of the Academy in suitable condition for the uses thereof approved by the Council.

The Chairman of the House Committee or his designate shall approve in writing all expenditures within its authorized budget or special appropriations for repairs, services, supplies, or operation of the House, including compensation of House employees.

The House Committee, in consultation with the Treasurer, shall determine the equitable proportion of expense to be assessed for the use of the facilities of the House which have been approved by the Council for other than Academy activities.

(ii) *The Committee on Membership* shall consist of the President, *ex officio*, as Chairman, and eight other Fellows, one of whom from each of the four Classes shall be elected annually to serve for a term of two years. It shall have the duties designated to it in Chapter III.

(iii) *The Committee on Meetings* shall consist of the President as Chairman, the Secretary, who shall act as secretary of the committee, and the four Vice-Presidents, *ex officio*, together with four other Fel-

lows, one from each Class, two of whom shall be elected annually to serve for a term of two years. It shall arrange for meetings of the Academy.

(iv) *The Committee on Finance* shall consist of the Treasurer as Chairman, *ex officio*, and four other Fellows, two of whom shall be elected annually to serve for a term of two years. It shall have general supervision of the investments of the Academy.

(v) *The Auditing Committee* shall consist of two Fellows, one of whom shall be elected annually to serve for a term of two years. It shall audit the accounts of the Treasurer with power to employ an expert and to approve the payment of his charges.

(vi) *The Committee on Publication* shall consist of the Editor as Chairman, *ex officio*, and four other Fellows, one from each Class, two of whom shall be elected annually to serve for a term of two years. It shall have the authority and the responsibility of determining the contents and of effecting the printing of the publications of the Academy as set forth in Chapter IX.

(vii) *The Permanent Science Fund Committee* shall consist of seven Fellows of whom there shall be elected at Annual Meetings in each triennium, respectively, two, two, and three members, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall review all applications for grants addressed to it and shall from time to time recommend to the Council appropriate disbursements from the income received by the Academy from the Trustee of the Permanent Science Fund, for carrying out the purposes set forth in the Agreement and Declaration of Trust which governs the use of this income.

(viii) *The Rumford Committee* shall consist of seven Fellows of whom there shall be elected at Annual Meetings in each triennium, respectively, two, two, and three members, each to serve for a term of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall invite applications for pecuniary assistance in support of researches in the general fields of heat and light broadly interpreted, and shall from time to time recommend to the Council disbursements in support thereof from the income from the Rumford Fund. Biennially it shall recommend to the Council a candidate for the reception of the



Rumford Medal to be awarded in accordance with the Rumford trust, and shall in general see to the proper execution of this trust.

(ix) *The C. M. Warren Committee* shall consist of seven Fellows of whom there shall be elected at Annual Meetings in each triennium, respectively, two, two, and three members, each to serve for a period of three years. One member of this Committee shall, in such an election, be designated by the electors to serve as Chairman for the duration of the term for which he has been elected as a member of the Committee. It shall invite applications for pecuniary assistance from any person wishing to engage in research in any branch of chemistry, and shall recommend to the Council such applications as seem worthy of aid and such other disbursements from the income of the C. M. Warren Fund as it deems appropriate to the advancement of research in chemistry.

(x) *The Amory Prize Committee* shall consist of seven Fellows, each of whom shall serve from the time of his election until his successor is elected. Immediately after the Annual Meeting in 1950 and at least every seventh year thereafter it shall at the call of its senior officer, meet and elect from its own members, a chairman and a secretary, each to serve for seven years or until his successor is elected in a similar manner at an interim meeting at which at least five members shall cast their votes. For each septennium beginning with that which was concluded on November 10, 1933, it shall recommend to the Council for its approval a recipient or recipients of the Amory Prize and a gold medal or other token of honor and merit to be conferred upon each by the President and Fellows of the Academy in recognition of an invention or other contribution in the medical field specified in and according to the terms of the bequest of Francis Amory.

(xi) *The Nominating Committee* shall consist of twelve Fellows, three from each Class, having the right to vote. The members of the first Nominating Committee constituted hereunder shall be appointed within each Class by the President for terms of one, two and three years. The President shall also appoint one of the Committee to act as Chairman. Thereafter, as vacancies in the membership of the Committee occur, four members, one from each Class, shall be elected annually to serve for a term of three years, one member at such election being designated to act as Chairman for the duration of the term for which he has been elected as a member of the Committee. Nominations for such elections, within each Class, shall be by a vote of the Committee.

ARTICLE 2. Each Standing Committee shall confine its recommendations and its expenditures to such sum in each fiscal year as shall have been notified to its Chairman by the Secretary of the Academy as appropriations voted by the Academy, or by the Treasurer as income available for its purposes.

ARTICLE 3. Each Standing Committee shall report to the Academy at the Annual Meeting its acts of the previous year.

See Chap. iii; chap. iv, art. 1, 3; chap. vi, art. 4; chap. vii, art. 1, 2, 4; chap. ix, art. 1, 2.

## CHAPTER XII

### MEETINGS, COMMUNICATIONS, AND AMENDMENTS

ARTICLE 1. There shall be annually eight Stated Meetings of the Academy, namely, on the second Wednesday of October, November, December, January, February, March, April, and May. Only at these meetings, or at adjournments thereof regularly notified, or at Special Meetings called for the purpose, shall appropriations of money be made or amendments of the Statutes be effected.

The Stated Meeting in May shall be the Annual Meeting of the Corporation.

Special Meetings shall be called by the Secretary at the request of the President, of the Council, or of ten Fellows having the right to vote; and notifications thereof shall state the purpose for which the meeting is called.

The Council shall have authority, as occasion may demand, to arrange additional meetings and to cancel any of the statutory meetings, except that meetings for transacting business shall be held as required by the Statutes.

ARTICLE 2. Except as otherwise provided, twenty-five Fellows having the right to vote shall constitute a quorum for the transaction of business at Stated or Special Meetings. Eighteen Fellows shall be sufficient to constitute a meeting for literary or scientific communications and discussions.

ARTICLE 3. Upon the request of the presiding officer or the Secretary, any motion or resolution offered at any meeting shall be submitted in writing.

ARTICLE 4. Fellows may introduce guests at any of the literary or scientific meetings of the Academy.

ARTICLE 5. All amendments to the Statutes, whether proposed by Fellows or by the Council, shall be considered by the Council and reported with recommendations for action to the Academy. At a subsequent Stated Meeting, or at a Special Meeting called for the purpose, the notice for which in either case shall state this proposed amendment, the Academy shall act upon the amendment. Two-thirds of the Fellows present, in a meeting of not less than forty Fellows, must vote in the affirmative to enact the amendment.

See Chap. ii, art. 6, 10; chap. iii, art. 1, 2; chap. iv, art. 1, 3, 4, 5; chap. v, art. 1; chap. vi, art. 2, 3; chap. vii, art. 2, 5; chap. ix, art. 2; chap. x, art. 5; chap. xi, art. 1, 3.

## CHARTER OF INCORPORATION

*An Act to incorporate and establish a Society for the cultivation and promotion of Arts and Sciences. Granted May 4, 1780, by an Act of the Legislature of Massachusetts, and amended by the Acts of 1910, 1911, 1931, and 1947.*

As the Arts and Sciences are the foundation and support of agriculture, manufactures, and commerce; as they are necessary to the wealth, peace, independence, and happiness of a people; as they essentially promote the honor and dignity of the government which patronizes them; and as they are most effectually cultivated and diffused through a State by the forming and incorporating of men of genius and learning into public societies for these beneficial purposes.

*Be it therefore enacted by the Council and House of Representatives in General Court assembled and by the authority of the same*, that [sixty-two persons]<sup>1</sup> be, and they hereby are formed into, constituted, and made a body politic and corporate, by the name of THE AMERICAN ACADEMY OF ARTS AND SCIENCES, and that they, and their successors, and such other persons as shall be elected in the manner hereafter mentioned, shall be and continue a body politic and corporate, by the same name forever.

*And be it further enacted by the authority aforesaid*, that the Fellows of the said Academy may from time to time elect a President, one or more Vice-Presidents, one or more Secretaries, and such other officers of the said Academy as they shall judge necessary or convenient; and they shall have full power and authority from time to time to determine and establish the names, number, and duties of

<sup>1</sup>For the names of the Fellows incorporated, see Memoirs, Vol. XI, Part I, pp. 33, 34.

their several officers, and the tenure or estate they shall respectively have in their offices; and also to authorize and empower their President, or some other Fellow of the Academy, at their pleasure, to administer such oaths to such officers as they shall appoint and determine, for the well-ordering and good government of the said Academy, provided the same be not repugnant to the laws of this State.

*And be it further enacted by the authority aforesaid,* that the Fellows of the said Academy shall have one Common Seal, which they may make use of in whatsoever cause or business shall concern the Academy, or be relative to the end and design of its institution; and shall have power and authority from time to time to break, change, and renew the Common Seal, at their pleasure; and that they may sue and be sued, in all actions, real, personal, and mixed, and prosecute and defend the same unto final judgment and execution, by the name of the President and Fellows of the American Academy of Arts and Sciences.

*And be it further enacted by the authority aforesaid,* that the Fellows of the said Academy may from time to time elect such persons to be Fellows thereof, as they shall judge proper, and that they shall have full power and authority from time to time to suspend, expel, or disfranchise any Fellow of the said Academy who shall by his conduct render himself unworthy of a place in that body, in the judgment of the Academy; and also to settle and establish the rules, forms, and conditions of election, suspension, expulsion, and disfranchisement.

*And be it further enacted by the authority aforesaid,* that the Fellows of the said Academy shall have full power and authority from time to time to make and enact such reasonable rules, orders, and bylaws, not repugnant to the laws of this State, as shall be necessary or convenient for the well-ordering and good government of the said Academy, and to annex reasonable pecuniary fines and penalties to the breach of them, not exceeding the sum of *twenty pounds*, to be sued for and recovered in any court of record within this State, in the name and for the use of the President and Fellows of the said Academy; and the same rules, orders, and bylaws to repeal at their pleasure; and also to settle and establish the times, places, and manner of convening the Fellows of the said Academy; and also to determine the number of Fellows which shall be present to constitute a meeting of the said Academy. *Provided,* that the Fellows of the said Academy shall meet twice in a year at the least; and that the place of their meeting shall never be more than thirty miles distant from the town of Boston.

*And be it further enacted by the authority aforesaid*, that the Fellows of the said Academy may, and shall forever hereafter, be deemed capable in the law, of having, holding, and taking in fee-simple, or any less estate, by gift, grant, devise or otherwise, any lands, tenements or other estate real and personal. *Provided*, that the said real estate shall not exceed in value the sum of *two hundred thousand dollars*, and the said personal estate shall not exceed in value the sum of *five hundred thousand dollars*, all the sums mentioned in the preceding section of this act to be valued in silver at the rate of *six shillings and eightpence* by the ounce. And the annual interest and income of the said real and personal estate, together with the fines and penalties aforesaid, shall be appropriated for premiums to encourage improvements and discoveries in agriculture, arts, and manufactures, or for other purposes consistent with the end and design of the institution of the said Academy as the Fellows thereof shall determine.

*And be it further enacted by the authority aforesaid*, that the end and design of the institution of the said Academy is, to promote and encourage the knowledge of the antiquities of America, and of the natural history of the country, and to determine the uses to which the various natural productions of the country may be applied; to promote and encourage medical discoveries; mathematical disquisitions; philosophical inquiries and experiments; astronomical, meteorological, and geographical observations; and improvements in agriculture, arts, manufactures, and commerce; and, in fine, to cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people.

*And it is further enacted*, that the place where the first meeting of the Fellows of the said Academy shall be held shall be the Philosophy Chamber in the University of Cambridge; and that the Honorable James Bowdoin, Esq., be, and he hereby is authorized and empowered to fix the time for holding the said meeting, and to notify the same to the Fellows of the Academy.

